



**1995**

# ***Illinois Register***

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## **Rules of Governmental Agencies**

Volume 19, Issue 20— May 19, 1995

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Secretary of State



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**Editor's Note:** The Cumulative Index and Sections Affected Index will be printed on a quarterly basis. The printing schedule for the quarterly and annual indexes are as follows:

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May 23, 1995	May 30, 1995	23	June 9, 1995	Nov. 28, 1995	Dec. 5, 1995	50	Dec. 15, 1995
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Please note: When the Register deadline falls on a State holiday, the deadline becomes 4:30 p.m. on Monday (the day before).

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## ILLINOIS COMMERCE COMMISSION

## NOTICE OF PROPOSED AMENDMENTS

1) Heading of the Part: Interconnection

2) Code Citation: 83 Ill. Adm. Code 790

3) Section Numbers: Proposed Action:

790.5 Amendment  
790.10 Amendment  
790.105 New Section  
790.120 Amendment  
790.300 New Section  
790.305 New Section  
790.310 New Section  
790.320 New Section  
790.400 Renumbered

4) Statutory Authority: Implementing Sections 8-501, 8-502, 8-503, 8-504, 8-506, 13-505.1, and 13-505.5 and authorized by Section 10-101 of the Public Utilities Act [220 ILCS 5/8-501, 8-502, 8-503, 8-504, 8-506, 13-505.1, 13-505.5, and 10-101].

5) A Complete Description of the Subjects and Issues Involved: This rulemaking will establish a framework for line side interconnection to supplement the rules on special access and switch access previously adopted in this Part. Line side interconnection is the ability of a competitor or customer to interconnect its telecommunications facilities with a portion of the local exchange telecommunications carrier's network that extends from the central office to the customer's premises.

6) Will these proposed amendments replace emergency amendments currently in effect? No.

7) Does this rulemaking contain an automatic repeal date? No.

8) Do these proposed amendments contain incorporations by reference? No.

9) Are there any other proposed amendments pending on this Part? No.

10) Statement of Statewide Policy Objectives: These proposed amendments neither create nor expand any state mandate on units of local government, school districts, or community college districts.

11) Time, Place and Manner in which interested persons may comment on this proposed rulemaking:

Comments should be filed with:

## ILLINOIS COMMERCE COMMISSION

## NOTICE OF PROPOSED AMENDMENTS

Donna M. Caton  
Chief Clerk  
Illinois Commerce Commission  
527 East Capitol Avenue  
Springfield, IL 62706  
(217)782-7434

Comments should be filed with the Chief Clerk within 45 days of the date of this issue of the Illinois Register.

12) Initial Regulatory Flexibility Analysis:

A) Types of small businesses, small municipalities and not for profit corporations affected: These proposed amendments will affect those telecommunications carriers that are also small businesses as defined in the Illinois Administrative Procedure Act.

B) Reporting, bookkeeping or other procedures required for compliance: Filing requirements

C) Types of professional skills necessary for compliance: Managerial and engineering skills.

The full text of the Proposed Amendments begins on the next page:

ILLINOIS COMMERCE COMMISSION  
NOTICE OF PROPOSED AMENDMENTS  
TITLE 83: PUBLIC UTILITIES  
CHAPTER I: ILLINOIS COMMERCE COMMISSION  
SUBCHAPTER f: TELEPHONE UTILITIES  
PART 790  
INTERCONNECTION

SUBPART A: GENERAL PROVISIONS

Section  
790.5  
790.10

Applicability  
Definitions

SUBPART B: SPECIAL ACCESS AND PRIVATE LINE INTERCONNECTION

Section  
790.100  
790.105  
790.110

Special Access and Private Line Interconnection--Interconnection Architecture  
Exclusion  
Special Access and Private Line Interconnection--Availability of Expanded Interconnection  
Special Access and Private Line Interconnection--Standards for Interconnection Arrangements  
Special Access and Private Line Interconnection--Pricing and Rate Structure Issues

SUBPART C: SWITCHED TRANSPORT INTERCONNECTION

Section  
790.200,  
790.210  
790.220  
790.230  
790.240

Switched Transport Interconnection--Interconnection Architecture  
Switched Transport Interconnection--Availability of Expanded Interconnection  
Switched Transport Interconnection--Standards for Expanded Interconnection Arrangements  
Switched Transport Interconnection--Pricing and Rate Structure Issues  
Switched Transport Interconnection--Implementation of Switched Transport Interconnection

SUBPART D: REPORTING-REQUIREMENTS LINE-SIDE INTERCONNECTION

Section  
790.300  
790.305  
790.310  
790.320

Reporting--Requirements Line-side Interconnection--Interconnection Architecture  
Temporary Exclusion  
Line-side Interconnection--Standards for Interconnection Arrangements  
Line-side Interconnection--Implementation of Line-side Interconnection

ILLINOIS COMMERCE COMMISSION  
NOTICE OF PROPOSED AMENDMENTS  
SUBPART E: REPORTING REQUIREMENTS

Section  
790.400

Reporting Requirements

AUTHORITY: Implementing Sections 8-501, 8-502, 8-503, 8-504, 8-506, 13-505.1, and 13-505.5 and authorized by Section 10-101 of the Public Utilities Act [220 ILCS 5/8-501, 8-502, 8-503, 8-504, 8-506, 13-505.1 13-505.5, and 10-101].

SOURCE: Adopted at 18 Ill. Reg. 6147, effective May 1, 1994; amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

SUBPART A: GENERAL PROVISIONS

Section 790.5 Applicability

This Part shall apply to any telecommunications carrier, as defined in Section 13-202 of the Public Utilities Act ("Act") (~~111-Rev-Stat-1991-Chr-111-243, Part-13-202, as amended by P.A.-87-0567-effective-May-14-1992~~) [220 ILCS 5/13-202] providing local exchange telecommunications services as defined in Section 13-204 of the Act (~~111-Rev-Stat-1991-Chr-111-243, Part-13-202, as amended by P.A.-87-0567-effective-May-14-1992~~) that is also a carrier as defined in Section 790.10. In addition, this Part shall apply to any entity certificated by the Illinois Commerce Commission ("Commission") under Section 13-401, 13-403, 13-404, or 13-405 of the Act.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.)

Section 790.10 Definitions

"Bona fide request" is a request by which an interconnector states, in writing, that it will purchase "loops" and/or "ports" within six months of the date of the request.

"Bona fide request for loop subelements" is a request by which an interconnector states, in writing, that it will purchase specific "loop subelements" within six months of the date of the request.

"Central office" or "CO" means a location within a local exchange area where subscriber lines or interoffice trunks are connected to a local exchange carrier's switch.

"Competitive access provider" or "CAP" means any entity other than the principal provider of telecommunications service that is certificated to provide telecommunications services within the local exchange.

"Contribution charge" means a charge that recovers specifically identified subsidies or non-cost based allocations that are embedded



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in rates for special access or private line services or switched transport services.

"Cross-connect charge" means the amount of money assessed the interconnecting parties on a monthly basis by the LEC for connection to LEC services or elements of services at a location described in Section 790.120(f).

"End-user" means any entity other than a telecommunications carrier that requires access to a LEC location described in Section 790.120(f) in order to connect its own communications equipment for the purposes of providing service to its own community of users.

"FCC Expanded Interconnection Rule" means the order entered by the Federal Communications Commission ("FCC") on September 17, 1992, in CC Docket 91-141, "In the Matter of Expanded Interconnection with Local Telephone Company Facilities," and amended by the FCC on December 18, 1992, and on September 2, 1993, in CC Dockets 91-141 and 90-286 in the "Second Report and Order and Third Notice of Proposed Rulemaking, and as amended by the FCC in the 'Second Memorandum Opinion and Order on Reconsideration in CC Docket 91-141, released on September 2, 1993. (47 CFR Section 64.1401 - 64.1402; 47 CFR Section 65.702; 47 CFR Section 69.4, 69.121 - 69.123 as of October 1, 1993; this incorporation does not include any later amendments or editions.)

"Incumbent local exchange carrier" is a LEC which provided local exchange services in an exchange on or before December 31, 1993.

"Interconnection" means the point in a network where one telecommunications carrier or end-user interfaces with the local exchange carrier's network or the network provided by another telecommunications carrier under the provisions of this Part.

"Interconnector" is a telecommunications carrier or end-user that has interfaced with the local exchange carrier's network under the provisions of this Part.

"Interexchange carrier" or "IXC" means any telecommunications carrier that is certificated to provide interexchange services (see Section 13-403 of the Act) within Illinois as defined in Section 13-205 of the Act.

"Local exchange carrier" or "LEC" means a telecommunications carrier under the Act that provides ~~that is a principal provider of~~ local exchange telecommunications services as defined in Section 13-204 of the Act.

"Loop" or "unbundled transport path" is a transmission path capable of

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transporting analog or digital signals from the network interface at a customer's premises to a distribution frame, digital signal cross-connect panel, or similar demarcation which is accessible to the interconnector.

"Loop subelements" are components of the "loop" offered as individual and separately available services and/or separately available interconnector points.

"Physical collocation" means the type of interconnection provided by an LEC to an interconnector where the interconnector locates its equipment within space assigned by the LEC for the interconnector's exclusive use and where the interconnector has physical access and control over its equipment subject to the provisions of this Part and any applicable tariff.

"Port" or "unbundled switching facility" is a mechanism allowing access to the functions of the switch including, but not limited to, dial tone generation, an individual network address, and the ability to originate and/or terminate both local and interexchange calls. In addition, port services include access to network support functions such as 911 and directory assistance services, as well as a directory listing as described in 83 Ill. Adm. Code 735.180, whenever such services are offered to a comparable bundled switched service. Port services also include the ability to transport analog or digital signals from the switch to a demarcation point which is accessible to the interconnector.

"Serving wire center" means the location in the LEC network that serves a telecommunications carrier's (such as an interexchange carrier) point of presence.

"Special access or private line" means a transmission path that connects customer-designated premises directly through a local exchange carrier's hub or hubs where bridging or multiplexing functions are performed, or to connect a customer-designated premises and a serving office, and includes all exchange access not utilizing the local exchange carrier's end office switches.

"Switched access" means a two-point communications path between a customer-designated premises and an end-user's premises that provides for the use of common terminating, switching, and trunking facilities and for the use of common subscriber plant of the local exchange carrier and provides for the ability to originate calls from an end-user's premises to a customer-designated premises, and to terminate calls from a customer-designated premises to an end-user's premises in the local access transport area where it is provided.



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"Tier 1 LEC" means a local exchange carrier having annual gross revenues from regulated telecommunications operations of \$100 million or more.

"Virtual collocation" refers to the type of interconnection provided by an LEC to an interconnector that is economically, technically, and administratively comparable to the manner in which the LEC's facilities interconnect with its own network. It may, at the interconnector's discretion, include an arrangement and where the interconnector is provided equipment in a location described in Section 790.120(f) under an arrangement whereby the interconnector may not have ownership of the equipment and does not have physical access or control, other than through remote monitoring, subject to the provisions of this Part and any applicable tariff.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## SUBPART B: SPECIAL ACCESS AND PRIVATE LINE INTERCONNECTION

Section 790.105 Exclusion

Subpart B shall not be applicable to any telecommunications carrier, as that term is defined in Section 13-202 of the Act, which is not a Tier-1 LEC.

(Source: Added at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

Section 790.120 Special Access and Private Line Interconnection--Standards for Interconnection Arrangements

- a) Space allocation and exhaustion. In LEC locations that are tariffed to provide physical collocation, LECs shall:
  - 1) Offer space on a first-come, first-served basis to all interconnectors;
  - 2) Offer a physical collocation arrangement until such space available for interconnection is filled to capacity;
  - 3) Not reject subsequent interconnection requests due to lack of space, but shall provide a virtual collocation arrangement in lieu of the physical collocation arrangement unless the LEC has obtained a waiver under Section 790.110(c); and
  - 4) Include the demand for interconnection when planning to remodel an existing location or building a new location in the same manner as any other demand for other services is taken into consideration.
- b) Points of interconnection. When virtual collocation is provided, LECs shall specify an interconnection point or points as close as possible to the location in which interconnectors are requesting

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interconnection. These interconnection points must be physically accessible by both the telecommunications carrier and interconnectors on a non-discriminatory basis. Under virtual collocation, the interconnection point shall constitute the demarcation between interconnector and the LEC ownership of facilities.

- c) Points of entry. LECs shall provide at least two separate points of entry to a location for the interconnector's cable facilities whenever there are at least two entry points for LEC cable facilities.
- d) Equipment placed by or for interconnectors. Expanded interconnection requirements shall apply only to CO equipment needed to terminate or aggregate basic transmission facilities. The LECs are not required to place or allow the placement of other types of equipment by interconnectors (such as switching equipment, enhanced services, or customer premise equipment) in the location under either a physical collocation arrangement or a virtual collocation arrangement.
- e) Interconnection of microwave technologies. Tier 1 LECs shall provide interconnection for microwave technology. Tier 1 LECs may petition for, and the Commission shall grant, a waiver of this subsection if the FCC has granted a waiver of the requirement to interconnect microwave technology or, after hearings, the Commission finds that the LEC has demonstrated that the CO cannot physically accommodate the equipment or it is not technologically feasible to provide the expanded interconnection.
- f) Locations at which interconnection is available. LECs shall provide expanded interconnection at serving wire centers, end offices (central offices), and any other points which the telecommunications carriers use as a rating point (a point used in calculating the length of interoffice special access links).
- g) Shared use of switched and special access services. Interconnectors shall not be allowed to use intrastate special access expanded interconnection offerings to connect their transmission facilities with the local exchange carrier's intrastate switched services until the LEC has an effective tariff on file with the Commission implementing an interim local transport rate structure at the intrastate level in response to the order adopted by the FCC on September 17, 1992 in CC Docket 91-213, "In the Matter of Transport Rate Structure and Pricing."

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## SUBPART D: REPORTING-REQUIREMENTS LINE-SIDE INTERCONNECTION

Section	790.300	Reporting-----Requirements	Line-side	Interconnection--
Interconnection Architecture				

LECs offering "loops", "ports", or "loop subelements" pursuant to Section 790.310(a), (b), or (c), shall offer interconnection to such elements through



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arrangements as described in this Subpart. For purposes of line-side interconnection, LECs shall also allow virtual collocation arrangements in which the interconnector requires no central office equipment other than a digital or analog cross connection to the specified "loop" or "port" demarcation point. This requirement is subject to the waiver provision of Section 790.320(e).

(Source: Former Section 790.300 renumbered to Section 790.400, new Section added at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

**Section 790.305 Temporary Exclusion**

Prior to January 1, 1998, Subpart D shall not be applicable to any incumbent LEC, which is not also a Tier-1 LEC as those terms are defined in Section 790.10.

(Source: Added at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

**Section 790.310 Line-side Interconnection--Standards for Interconnection Arrangements**

- a) All switch-associated grades-of-service and installation, repair and maintenance intervals which apply to a LEC's bundled local exchange end-user access services shall also apply to that LEC's corresponding unbundled port services, unless the grades-of-service or intervals are materially improved due to the unbundling, in which case the improved grades-of-service intervals shall apply.
- b) All transport-associated grades-of-service and installations, repair and maintenance intervals which apply to a LEC's bundled local exchange end-user access services also shall apply to that LEC's corresponding unbundled loop services, unless the grades-of-service or intervals are materially improved due to the unbundling in which case the improved grades-of-service or intervals shall apply.
- c) All switch-associated optional features, functions, services and capabilities available with each bundled local exchange end-user access service shall be available under identical rates, terms, and conditions for the corresponding unbundled port services.
- d) All transport-associated optional features, functions, services and capabilities available with each bundled local exchange end-user access service shall be available under identical rates, terms, and conditions for the corresponding unbundled loop services.

(Source: Added at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

**Section 790.320 Line Side Interconnection--Implementation of Line Side**

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## NOTICE OF PROPOSED AMENDMENTS

**Interconnection**

- a) A LEC shall file intrastate tariffs offering "loops" and/or "ports" within 180 days of receiving a bona fide request.
- b) LECs shall file intrastate tariffs offering "loop subelements" within 180 days of receiving a "bona fide request for loop subelements."
- c) After a LEC has offered "loops", "ports", or "loop subelements" in its tariff for a particular exchange, it must file intrastate tariffs offering those same elements in other exchanges within 60 days of a "bona fide request" for those services in another exchange.
- d) Nothing in this Section shall preclude a LEC from filing intrastate tariffs offering "loops", "ports", or "loop subelements" before receiving a bona fide request.
- e) LECs may petition for a waiver of the requirement to provide "loops", "ports", or "loop subelements" within 60 days of receiving a bona fide request. The petitioner must demonstrate that offering line-side interconnection or offering line-side interconnection in the manner set forth in this Subpart is not technically or economically practicable, considering demand for the service, and/or offering line-side interconnection would be contrary to the public interest.

(Source: Added at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

**SUBPART E: REPORTING REQUIREMENTS****Section 790.400~~790-300~~--Reporting Requirements**

- a) Each LEC subject to this Part shall file with the Commission reports on interconnection. These reports shall be filed on May 1, 1996 and May 1, 1998.
- b) The reports required by this Section shall identify:
  - 1) Entities using expanded interconnection in the service areas of the LEC; and
  - 2) The location at which each interconnection occurs.

(Source: Section 790.400 renumbered from Section 790.300 at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)



## ILLINOIS COMMERCE COMMISSION

## NOTICE OF PROPOSED RULES

1) Heading of the Part: Presubscription

2) Code Citation: 83 Ill. Adm. Code 773

3) Section Numbers: Proposed Action:

773.5	New Section
773.10	New Section
773.100	New Section
773.110	New Section
773.120	New Section
773.130	New Section
773.140	New Section
773.150	New Section
773.160	New Section
773.170	New Section

4) Statutory Authority: Implementing Section 13-403 and authorized by Section 10-101 of the Public Utilities Act [220 ILCS 5/13-403 and 10-101].

5) A Complete Description of the Subjects and Issues Involved: Under current dialing arrangements, the local exchange telecommunications carrier ("LEC") carries calls that are dialed using the standard seven digit or the ten digit dialing arrangements. Other carriers are legally permitted to handle this traffic, but because of the technical switch characteristics of the LEC network, customers must dial access codes to reach them. This proposed rulemaking will establish a system for customer presubscription by which a customer's inter-market service area calls are carried by an interexchange carrier of the customer's choice and its intramSA presubscribed calls are carried, at the customer's choice, by the LEC (or a primary toll carrier), by the Interexchange Carrier (IXC) chosen to carry interMSA calls, or by another IXC, without the use of access codes. The proposed rules also cover waivers of the requirements and extension of time for making the requirements.

6) Will these proposed rules replace emergency rules currently in effect?  
No.

7) Does this rulemaking contain an automatic repeal date? No.

8) Do these proposed rules contain incorporations by reference? Yes

9) Are there any other proposed amendments pending on this Part? No.

10) Statement of Statewide Policy Objectives: These proposed rules neither create nor expand any state mandate on units of local government, school districts, or community college districts.

## ILLINOIS COMMERCE COMMISSION

## NOTICE OF PROPOSED RULES

11) Time, Place and Manner in which interested persons may comment on this proposed rulemaking:

Comments should be filed with:

Donna M. Caton  
Chief Clerk  
Illinois Commerce Commission  
527 East Capitol Avenue  
Springfield, IL 62706  
(217)782-7434

Comments should be filed with the Chief Clerk within 45 days of the date of this issue of the Illinois Register.

12) Initial Regulatory Flexibility Analysis:

A) Types of small businesses, small municipalities and not for profit corporations affected: This rulemaking will affect those telecommunications carriers that are also small businesses as defined in the Illinois Administrative Procedure Act.

B) Reporting, bookkeeping or other procedures required for compliance: Filing requirements.

C) Types of professional skills necessary for compliance: Managerial and engineering.

The full text of the Proposed Rules begins on the next page:



ILLINOIS COMMERCE COMMISSION

NOTICE OF PROPOSED RULES

TITLE 83: PUBLIC UTILITIES  
CHAPTER I: ILLINOIS COMMERCE COMMISSION  
SUBCHAPTER I: TELEPHONE UTILITIES

PART 773  
PRESUBSCRIPTION

Section	
773.5	Applicability
773.10	Definitions
773.100	Obligation to Provide Presubscription
773.110	Implementation
773.120	IntraMSA Calls Not Subject to Presubscription
773.130	Waivers and Extensions
773.140	Customer Notification and Presubscription Changes
773.150	Interexchange Carrier Participation
773.160	Presubscription Charges and Cost Recovery
773.170	Information Requirements

AUTHORITY: Implementing Section 13-403 and authorized by Section 10-101 of the Public Utilities Act [220 ILCS 5/13-403 and 10-101].

SOURCE: Adopted at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

Section 773.5 Applicability

- This Part shall apply to any telecommunications carrier, as defined in Section 13-202 of the Public Utilities Act ("Act") [220 ILCS 5/13-202] providing local exchange telecommunications service as defined in Section 13-204 of the Act or interexchange telecommunications service as defined in Section 13-205 of the Act. In addition, this Part shall apply to any entity certificated by the Illinois Commerce Commission ("Commission") under Section 13-403 or Section 13-405 of the Act. This Part shall not apply to any telecommunications carrier that is subject to 83 Ill. Adm. Code 760, "Cellular Radio Exclusion."

Section 773.10 Definitions

"1-PTC" is a presubscription method in which a customer's presubscribed calls are carried by the interexchange carrier (IXC) of the customer's choice, without the use of access codes.

"2-PTC" is a presubscription method in which a customer's inter-market service area (MSA) calls are carried by an IXC of the customer's choice and its intraMSA presubscribed calls are carried, at the customer's choice, by the local exchange carrier (LEC) (or a primary

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toll carrier (PTC)), by the IXC chosen to carry interMSA calls, or by another IXC, without the use of access codes.

"Bona fide request" is a written request submitted to a LEC by an IXC, in which the IXC requests that the LEC provide presubscription consistent with this Part to customers within an exchange(s) and states that it intends to offer intraMSA usage services utilizing presubscription to customers in the exchange(s) within six months after the bona fide request, or within one year after the effective date of this Part, whichever is later.

"Customer" means a subscriber to a LEC switched network access service, either a bundled network access line or trunk or an unbundled port.

"Customer list" means an identification of the name, billing address and listed or published telephone number of each customer. It does not include an unpublished or unlisted telephone number.

"Equal access" has the meaning given it in Appendix B of the Modification of Final Judgment entered by the United States District Court on August 24, 1982 in United States v. Western Electric, Civil Action No. 82-0192 (D.D.C. 1982), as amended by the court in its orders issued prior to the effective date of this Part.

"Equal access exchange" means an exchange in which the LEC has complied with and implemented federal equal access requirements.

"Incumbent local exchange carrier" or "incumbent LEC" means a LEC that provided facilities-based switched local exchange telecommunications services within an exchange as of December 31, 1993.

"Interexchange carrier" or "IXC" means a telecommunications carrier under the Act that provides interexchange telecommunications services as defined in Section 13-205 of the Act. A telecommunications carrier is both an IXC and a LEC if it provides both interexchange and facilities-based local exchange telecommunications services.

"Local exchange carrier" or "LEC" means a telecommunications carrier under the Act that provides facilities based local exchange telecommunications services. A telecommunications carrier is both an IXC and a LEC if it provides both interexchange and facilities-based local exchange telecommunications services.

"Modified 1-PTC" is a presubscription method in which a customer's interMSA calls are carried by an IXC of the customer's choice and its intraMSA presubscription calls are carried, at the customer's choice, by either the LEC (or a PTC) or by the IXC chosen to carry interMSA

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calls, without the use of access codes.

"New local exchange carrier" or "new LEC" means a LEC that did not provide facilities-based switched local exchange telecommunications services within a specified geographic area as of December 31, 1993.

"Presubscription" is a procedure by which a customer can predesignate one or more IXCs to access for its presubscribed switched intramsa and intermsa calls, without dialing an access code.

"Primary interexchange carrier" or "PIC" means a presubscribed IXC that carries presubscribed calls, without the use of access codes, for a customer following equal access or presubscription implementation.

"Primary toll carrier" or "PTC" means the carrier that was made responsible for intramsa toll rates, intramsa compensation, and coordination of the intramsa toll network by the Sixteenth Interim Order, July 2, 1985, and the Twenty-Fifth Interim Order, July 23, 1986, in Commission Docket 83-0142.

## Section 773.100 Obligation to Provide Presubscription

- a) Each LEC shall provide presubscription consistent with this Part upon the LEC's own initiative or upon a bona fide request, using the 2-PIC method.
- b) Each LEC providing presubscription within an exchange(s) using the 1-PIC method as of December 31, 1993 is exempted from the requirements of this Part as long as it continues to provide 1-PIC presubscription.
- c) Presubscription shall be provided consistent with this Part and in accordance with 47 CFR Section 64.1100 (October 1994 Edition) and the following Federal Communications Commission ("FCC") Orders: Investigation of Access and Divestiture Related Tariffs, CC Docket 83-1145, Phase I, Memorandum Opinion and Orders, 101 FCC 2d 911 (1985); 101 FCC 2d 935 (1985); and Mimeo No. 6714, released August 30, 1985; and Policies and Rules Concerning Changing Long Distance Carriers, CC Docket No. 91-64, Report and Order, 7 FCC Rcd 1038 (1992), Erratum, DA 92-101, released February 4, 1992. No other amendment or edition of the foregoing rules or Orders are incorporated in this Part.

## Section 773.110 Implementation

- a) Each incumbent LEC shall, within 120 days after receiving a bona fide request, file intrastate tariffs to provide presubscription consistent with this Part in its equal access exchanges within six months after receiving the bona fide request or within one year after the effective date of this Part, whichever is later.
- b) For each incumbent LEC exchange that was not an equal access exchange

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as of the effective date of this Part, the incumbent LEC shall file intrastate tariffs to provide presubscription consistent with this Part effective at the time that equal access is implemented within the exchange.

- c) Each new LEC shall, within 120 days after receiving a bona fide request, file intrastate tariffs to provide presubscription consistent with this Part effective within six months after receiving the bona fide request or within one year after the effective date of this Part, whichever is later.

- d) Each LEC may negotiate implementation schedules that differ from the requirements in this Section, with the agreement of all IXCs that make bona fide requests within 60 days of the first bona fide request.

## Section 773.120 Intramsa Calls Not Subject to Presubscription

- a) In its intrastate presubscription tariff, each LEC shall specify which intramsa switched calls are not subject to presubscription for each of its exchanges.
- b) For each incumbent LEC exchange, intramsa calls shall not be subject to presubscription if they originate and terminate within the geographic area within which the LEC provides calling through one or more of the following: flat rate service, residence untimed calling and usage measured service bands that do not exceed 15 miles from the exchange wire center, and/or flat rate or measured Extended Area Service, as defined in the LEC's tariffs.
- c) The following intramsa calls shall not be subject to presubscription: local directory assistance (e.g., 411), local repair (e.g., 611), emergency (911), 0- operator services, and local pay-per-call (e.g., 976) calls. Calls using the 500, 700, 800, or 900 service access codes shall not be subject to this Part.
- d) For incumbent LECs, 0+ calls shall not be subject to presubscription if they originate and terminate within the geographic area described in Section 773.120(b).
- e) All intramsa switched calls not subject to presubscription and dialed without the use of access codes shall be carried by the LEC. Those calls dialed using a 500, 700, 800, or 900 service access code shall not be subject to this Part.

## Section 773.130 Waivers and Extensions

- a) A LEC may petition for a waiver of the requirement to provide presubscription consistent with Section 773.100 on the basis that the 2-PIC method is not technically feasible or that, under current conditions, the costs are expected to substantially exceed reasonably anticipated benefits. The Commission, after hearing, shall grant a waiver and shall allow the modified 1-PIC method to be used upon a showing that the 2-PIC method is not technically feasible or that its costs are expected to substantially exceed reasonably anticipated



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benefits.

- b) A LEC may petition for an extension of the timing requirements in Section 773.110 on the basis that presubscription cannot reasonably be provided within the given exchange(s) within the required time frame. The Commission, after hearing, shall grant an extension to a specified date upon a showing that presubscription cannot reasonably be provided within the given exchange(s) within the time frame required by Section 773.110 and that the date specified in the extension can reasonably be met.
- c) Any LEC or IXC may petition for a waiver of the requirements in Section 773.120 on the basis that the requirements regarding calls not subject to presubscription do not meet customers' calling needs and/or do not preserve or promote effective competition. The Commission, after hearing, shall grant a waiver upon a showing that the requirements regarding calls not subject to presubscription do not meet customers' calling needs and/or do not preserve or promote effective competition. In determining whether to grant the waiver, the Commission shall consider the financial impact and the technical feasibility of alternatives.

**Section 773.140 Customer Notification and Presubscription Changes**

- a) For each incumbent LEC exchange that was an equal access exchange as of the effective date of this Part, and for each new LEC, the LEC shall provide written notice to its customers of the availability of presubscription, as follows:

- 1) The notice shall be provided to existing customers at least 30 days prior to the implementation of presubscription consistent with this Part;
  - 2) The notice shall be provided to new customers who request network access service between the time the notice is distributed and the date presubscription is implemented consistent with this Part, at the time they request service;
  - 3) The notice shall describe presubscription, the customers' choices, how to select among the presubscription choices, and any related charges in a manner that does not attempt to influence customers regarding their selections.
- b) For each incumbent LEC exchange that was not an equal access exchange as of the effective date of this Part, balloting shall be required for both interMSA and intraMSA usage, as follows:
- 1) Balloting shall be in accordance with the FCC's Memorandum Opinion and Orders in CC Docket No. 83-1145, Phase I, and balloting shall include both interMSA and intraMSA choices;
  - 2) Customers' intraMSA usage subject to presubscription shall not be allocated, and shall continue to be provided by the incumbent LEC (or PTC) until the customer selects a different intraMSA presubscription choice.
- c) For new customers requesting network access service after

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presubscription consistent with this Part is implemented in an exchange, the LEC or other carrier receiving the request shall inform the customer, when service is requested, of its presubscription choices and shall provide the following information before either asking for the customer's presubscription selections and/or marketing its own interexchange services:

- 1) The customer service representative shall inform the new customer that the customer can select from a number of ICs for presubscribed interexchange service, and shall describe the available presubscription choices in a manner that does not attempt to influence customers regarding their selections;
- 2) The representative shall offer to provide the names of ICs serving that office in random order as well as the telephone numbers of the ICs.

If the customer indicates its selections, the representative shall not solicit the customer further for the carrier's interexchange services.

d) Customers shall retain their existing intraMSA dialing arrangements as of the effective date of this Part until they make presubscription selections, and may change their selections at any time, subject to charges specified in Section 773.160. Procedures for intraMSA and interMSA selection changes shall be in accordance with 47 CFR Section 64.1100 (October 1994 Edition) and the following Federal Communications Commission ("FCC") Orders: Investigation of Access and Divestiture Related Tariffs, CC Docket 83-1145, Phase I, Memorandum Opinion and Orders, 101 FCC 2d 911 (1985); 101 FCC 2d 935 (1985); and Mimeo No. 6714, released August 30, 1985; and Policies and Rules Concerning Changing Long Distance Carriers, CC Docket No. 91-64, Report and Order, 7 FCC Rcd 1038 (1992), Erratum, DA 92-101, released February 4, 1992. No other amendment or edition of the foregoing rules or Orders are incorporated in this Part.

**Section 773.150 Interexchange Carrier Participation**

Carriers (including LECs and ICs) may carry presubscribed intraMSA calls if they have effective intrastate tariffs to provide such services and if they have made the necessary arrangements with the LEC.

**Section 773.160 Presubscription Charges and Cost Recovery**

- a) Each LEC shall allow customers to change presubscription selections once at no charge within six months following implementation within an exchange of presubscription consistent with this Part, and shall allow each new customer to select presubscription arrangements at no charge at the time network access service is initiated. At other times, each LEC may impose a reasonable, tariffed charge for changes in a customer's presubscription selections.
- b) Each LEC may seek to recover reasonable separated intrastate costs limited to initial incremental expenditures related directly to the

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provision of presubscription that would not be required absent the provision of presubscription consistent with this Part.

- c) In determining presubscription cost recovery, each LEC shall amortize all separated intrastate presubscription costs over at least a three year period.

- d) Each LEC that provides noncompetitive services and is not an average schedule company shall use the following procedures for recovery of intrastate presubscription costs:

- 1) A tariffed presubscription cost recovery charge shall be applied to all switched originating intramsa intrastate minutes of use subject to presubscription and originated by the LEC's customers, whether carried by the LEC or another IXC. If the LEC is a PTC, such charges shall not apply to customers of other LECs with which the LEC has a PTC arrangement;

- 2) The LEC shall submit the proposed presubscription cost recovery charge and full cost documentation as part of its tariff filing made to implement presubscription consistent with this Part;

- 3) In non-equal access exchanges where both inter- and intramsa equal access are implemented concurrently, LECs should develop separate inter- and intramsa cost recovery charges, consistent with FCC requirements and this Part.

- e) Each LEC that is an average schedule company shall, through its concurrence in the Illinois Small Company Exchange Carrier Association (ISCECA) intrastate switching tariffs, use the following procedures for recovery of intrastate presubscription costs:

- 1) An addition to the local switching rates shall be applied to all switched intrastate minutes of use subject to presubscription and originated by the LEC's customers;

- 2) ISCECA shall submit the proposed addition to its local switching rates and full cost documentation through a tariff filing made to recover intrastate presubscription costs consistent with this Part;

- 3) The addition to the local switching rates shall apply for the amortization period only. At the end of the amortization period, ISCECA shall file the appropriate local switching tariff reflecting the removal of such addition to its local switching rates.

## Section 773.170 Information Requirements

- a) Within 15 days after receiving a bona fide request, a LEC shall notify all IXCs currently purchasing Feature Group D access service ("FGD service") from the LEC in the affected exchange(s) of the bona fide request.

- b) Each LEC shall provide the following information to all IXCs purchasing FGD service or which place orders for FGD service from the LEC in each exchange where presubscription consistent with this Part is to be implemented:

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- 1) Presubscription conversion schedules, to be provided at least three months prior to the cutover date;

- 2) Ordering procedures, terms, and conditions for the IXC to be eligible for customer presubscription to the IXC, to be provided at least three months prior to the cutover date;

- 3) Customer lists, within 15 business days of receipt of a written request from an IXC that has made a bona fide request or has otherwise established eligibility for customer presubscription, to be used by the IXC only in connection with presubscription solicitation. Customer lists shall be provided upon request for a period of six months prior to and six months after the implementation of presubscription in an exchange.

- c) Each LEC shall serve all presubscription tariff filings, waiver petitions, and extension of time petitions on all IXCs currently purchasing FGD service from the LEC in the affected exchange(s) and on all other entities that have requested such service.



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- 1) Heading of the Part: Public Information, Rulemaking and Organization
- 2) Code Citation: 2 Ill. Adm. Code 5200
- 3) Section Numbers:  
5200.APPENDIX A  
Proposed Action:  
Amendment
- 4) Statutory Authority: Implementing Section 5-15 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1005-15) [5 ILCS 100/5-15] and authorized by Section 5.01 of the Illinois Educational Facilities Authority Act (Ill. Rev. Stat. 1991, ch. 144, par. 1305.01) [110 ILCS 1015/5.01].
- 5) A Complete Description of the Subjects and Issues Involved: Appendix A is being amended to clarify and specify the powers, duties and obligations of the Chairman and the Vice Chairman which will assist the Chairman and the Vice Chairman carry out their functions and allow them to avoid ministerial, administrative or non-substantive matters.
- 6) Will this rulemaking replace any emergency rulemaking currently in effect?  
No.
- 7) Does this rulemaking contain an automatic repeal date? No.
- 8) Does this rulemaking contain incorporations by reference? No.
- 9) Are there any other proposed rulemakings pending on this Part? No.
- 10) Statement of Statewide Policy Objectives: Not applicable as the Authority does not receive any state funding.
- 11) Time, Place and Manner in which interested persons may comment on this proposed rulemaking: Comments will be accepted for 45 days after the date of publication of this notice at the following address:  
  
Illinois Educational Facilities Authority  
333 West Wacker Drive, Suite 2600  
Chicago, Illinois 60606  
(312) 781-6633
- 12) Initial Regulatory Flexibility Analysis:  
  
A) Date rule submitted to the Business Assistance Office of the Department of Commerce and Community Affairs:

B) Type of small business affected: None.

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- C) Reporting, bookkeeping or other procedures required for compliance: None.
- D) Types of professional skills necessary for compliance: None.
- 13) State reasons for this rulemaking if it was not included in either of the two most recent regulatory agendas:

The full text of the Proposed Amendment begins on the next page:

## ILLINOIS EDUCATIONAL FACILITIES AUTHORITY

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## TITLE 2: GOVERNMENTAL ORGANIZATION

## SUBTITLE F: EDUCATIONAL AGENCIES

## CHAPTER IX: ILLINOIS EDUCATIONAL FACILITIES AUTHORITY

## PART 5200

## PUBLIC INFORMATION, RULEMAKING AND ORGANIZATION

## SUBPART A: PUBLIC INFORMATION

Section  
5200.10 Public Information and Submissions

## SUBPART B: RULEMAKING

Section  
5200.100 Authority to Make Rules  
5200.210 Applicability of General Rules  
5200.220 Definitions  
5200.230 Organization of the Authority  
5200.240 Meetings of the Authority

## SUBPART C: ORGANIZATION

## APPENDIX A By-Laws of the Illinois Educational Facilities Authority

AUTHORITY: Implementing Section 5-15 of the Illinois Administrative Procedure Act (Ill. Rev. Stat. 1991, ch. 127, par. 1005-15) [5 ILCS 100/5-15] and authorized by Section 5.01 of the Illinois Educational Facilities Authority Act (Ill. Rev. Stat. 1991, ch. 144, par. 1305.01) [110 ILCS 1015/5.01].

SOURCE: By-Laws of the Illinois Educational Facilities Authority adopted July 8, 1971; codified at 8 Ill. Reg. 12890; amended at 8 Ill. Reg. 16294, effective August 23, 1984; amended at 9 Ill. Reg. 11816, effective July 23, 1985; amended at 10 Ill. Reg. 13649, effective August 4, 1986; amended at 13 Ill. Reg. 7902, effective May 15, 1989; amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

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Section 5200.APPENDIX A By Laws of the Illinois Educational Facilities Authority

## ARTICLE I

## Name, Principal Office and Seal

Section 1. Name. The name of this Authority, a public body politic and corporate, shall be Illinois Educational Facilities Authority, as provided in Chapter 144, Section 1301 et seq., of the Illinois Revised Statutes.

Section 2. Principal Office. The principal office of the Authority shall be located at the City of Chicago, County of Cook, State of Illinois.

Section 3. Seal. The corporate seal of the Authority shall be a circular disk having inscribed around the periphery thereof the words "Illinois Educational Facilities Authority," and in the center, the word "Seal".

## ARTICLE II

## Membership

Section 1. Membership of the Authority. The Authority shall consist of 7 members, to be appointed by the governor, who shall be residents of the State, not more than 4 of whom shall be members of the same political party. At least one of the members shall be a trustee, director, officer or employee of an institution for higher education. At least one shall be a person having a favorable reputation for skill, knowledge and experience in the field of state and municipal finance, either as a partner, officer or employee of an investment banking firm which originates and purchases state and municipal securities, or as an officer or employee of an insurance company or bank whose duties relate to the purchase of state and municipal securities as an investment and to the management and control of a state and municipal securities portfolio. At least one shall be a person experienced in and having a favorable reputation for skill, knowledge and experience in the educational building construction field.

Section 2. Residence of Appointive Members. All appointive members of said Authority shall be residents of the State of Illinois.

Section 3. Terms of Office. The initial terms of the members shall be as provided by statute and the designations in their respective appointments; thereafter the terms of members who succeed those whose terms have expired shall be seven (7) years.

Section 4. Vacancies and Reappointment. Any person appointed to fill a vacancy on said Authority shall serve for the unexpired term of his predecessor. All members shall be eligible for reappointment.

Section 5. Removal. Any member of the Authority may be removed by the



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governor for misfeasance, malfeasance or willful neglect of duty or other cause after notice and a public hearing unless such notice and hearing shall be expressly waived in writing.

Section 6. Powers. The members of the Authority shall possess and exercise all of the powers granted in the Act of 1969, Chapter 144, Section 1301 et seq., as the same has been or hereafter may be amended, and by all other laws consistent with said Act as may be necessary to effectuate the purpose of said Act.

## ARTICLE III

## Officers of the Authority

Section 1. Chairman. The Chairman of the Authority shall be elected annually by the members of the Authority, and shall preside at all meetings of the Authority and perform such other duties as shall be necessary or desirable by reason of his position as Chairman, or as may be directed by resolution of the Authority, duly adopted by a majority of its members, at a meeting held pursuant to these By-laws.

Section 2. Vice Chairman. A Vice Chairman shall be elected annually by the members and shall perform all duties incumbent upon the Chairman during the absence or disability of the latter, and shall perform such other duties as shall be deemed desirable by resolution of the Authority, duly adopted by a majority of its members, at a meeting held pursuant to these By-laws.

Section 3. Powers of Chairman and Vice Chairman. When requested by an Institution which has received financial assistance from the Authority (an "Institution"), the Chairman or Vice Chairman of the Authority shall have the power to approve, consent to and/or waive on behalf of the Authority ministerial, administrative or other non-substantive matters relating to bonds of the Authority or any documents related thereto ("Financing Documents"); provided, however, that (i) written notice of the intent to take any such action shall have been given to the other Members of the Authority by letter or telefax at least two (2) business days prior to the taking of the proposed action and (ii) general counsel to the Authority, bond counsel to the Authority and the financial advisor to the Authority shall have concurred in such officer's determination that the action to be taken is ministerial, administrative or otherwise non-substantive in nature. Written notice of the taking of such action shall be given to the other Members of the Authority at the next meeting of the Authority or within 60 days after such action is taken, whichever occurs earlier. Notwithstanding the foregoing provisions of this Section 3, the Chairman or Vice Chairman of the Authority may each, in his or her own discretion, decline to approve, consent to and/or waive any such ministerial, administrative or non-substantive matter on behalf of the Authority and may instead defer such matter to a meeting of the Authority for its consideration.

The following types of matters relating to bonds of the Authority or

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Financing Documents are generally considered to be ministerial, administrative or otherwise non-substantive in nature: (i) the approval of a renewal, or of an extension of the scheduled expiration date, of an existing credit and/or liquidity facility that supports Authority bonds without any substantive changes to any related Financing Documents, (ii) the approval of an Institution's replacement of a current credit and/or liquidity facility involving a new bank or other financial institution when such new facility will not result in a decline or withdrawal of any rating on such bonds and no substantive amendments will be made to any related Financing Documents, (iii) the approval of an amendment to a document between an Institution and a bank or other financial institution providing a credit and/or liquidity facility for Authority bonds where the Authority is not a party to such document and the Authority's interests are not adversely affected by such amendment, (iv) the approval of an Institution's replacement of a professional or financial firm or institution previously approved by the Authority which performs services regulated by Financing documents with another firm or institution which has comparable knowledge, experience and capability to that of the firm or institution being replaced, (v) approving an Institution's selection of a professional or financial firm or institution to perform services regulated by Financing Documents where no such firm or institution has been previously approved by the Authority for such purpose, if such firm or institution reasonably appears to have sufficient knowledge, experience and capability to perform such services, (vi) the approval of an amendment to a remarketing agreement relating to Authority bonds where the Authority's interests are not adversely affected by such amendment, (vii) the approval of the substitution of new collateral of equal or greater value for existing collateral securing Authority bonds, (viii) the approval of an escrow restructuring when moneys made available from the restructuring are either (a) to be applied to finance costs of projects previously approved by the Authority, (b) to be held by the bond trustee or other escrow agent to be disbursed for projects which the Authority may thereafter approve or (c) to be applied to pay principal of or interest on bonds of the Authority, (ix) the waiver of all or a portion of the number of days prior notice that an Institution is required to give the Authority of various events, including the prepayment of its note or the conversion of the interest rate mode on variable rate bonds to another interest rate mode, (x) the approval of the execution of documentation to affect the defeasance of Authority bonds in accordance with the provisions of the related Financing Documents and (xi) the approval of a supplement or amendment to, or a restatement of, an official statement or other offering document relating to Authority bonds where such approval by the Chairman or Vice Chairman is limited to information contained in such supplement, amendment or restatement specifically describing the Authority, its membership and organization, its powers, its outstanding bonds, its advisors or litigation involving the Authority.

## ARTICLE IV

## Meetings

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Section 1. Annual Meetings. The annual meeting of the Authority shall be held in the City of Chicago, Cook County, Illinois, or such other place in the State of Illinois as may be designated by the Chairman of the Authority, at 2:00 o'clock P.M., on the first Friday of each October in each year; provided, however, that said annual meeting may be held on any other day of such month if all the members of the Authority consent to such other date.

Section 2. Regular Meetings. Regular meetings of the Authority shall be held at the principal office of the Authority on the first Thursday of each month at such time as is designated by the Chairman, subject to change of date if all members consent.

Section 3. Special Meetings. A special meeting of the Authority may be held upon call by the Chairman or any four (4) members of the Authority at least forty-eight (48) hours' notice to each member of the Authority. Such notice shall specify the time and place and general purpose of the meeting and shall be given to each member, either personally or by telegram or by mail (if by mail, notice shall be deemed adequate if deposited in the U.S. mail 96 hours or more before the meeting); provided, however, that at any meeting at which all of the members of the Authority are present, notice of the time and place and purpose of the meeting shall be deemed waived.

Section 4. Quorum. Four members of the Authority shall constitute a quorum. A majority vote of the members of the Authority shall be necessary for any action taken by the Authority. A vacancy in the membership of the Authority shall not impair the right of a quorum to exercise all the rights and perform all the duties of the Authority.

## ARTICLE V

## Administrative Personnel

Section 1. Executive Director. The Authority may employ an Executive Director and Assistant Executive Director upon such terms and conditions as the Authority shall deem proper. The Executive Director shall have general and active supervision, control and management of the affairs and business of the Authority, subject to the orders, resolutions of the Authority, and supervision of the Chairman; he shall have general supervision and direction of all agents and employees of the Authority and shall see that all orders and resolutions of the Authority are carried into effect.

Section 2. Other Personnel. The Authority may employ consulting engineers, architects, attorneys, accountants, construction and financial experts, superintendents, managers, and such other employees and agents as may be necessary in its judgment, and fix their compensation.

Section 3. Bond. Before the issuance of any revenue bonds under this Act, the Chairman, Vice Chairman, Executive Director and Assistant Executive Director and any other member of the Authority authorized by resolution of the Authority to handle funds or sign checks of the Authority shall execute a

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surety bond in the penal sum of \$100,000. Each such surety bond shall be conditioned upon the faithful performance of the duties of the office of the principal, shall be executed by a surety company authorized to transact business in the State as surety, shall be approved by the attorney general and shall be filed in the office of the Secretary of State. The cost of each such bond shall be paid by the Authority.

## ARTICLE VI

## Administration

Section 1. Annual Audit and Accounting Procedure. The Authority may cause an audit of its books to be made at least once each year by an independent certified public accountant and the cost thereof shall be treated as a part of the administrative costs of the Authority.

Section 2. Documents. The Executive Director or Assistant Executive Director or other person designated by resolution of the Authority shall keep a record of the proceedings of the Authority and shall be custodian of all books, documents and papers filed with the Authority, the minute book or journal of the Authority, and its official seal. Said Executive Director or Assistant Executive Director or other person may cause copies to be made of all minutes and other records and documents of the Authority and may give certificates under the official seal of the Authority to the effect that such copies are true copies, and all persons dealing with the Authority may rely upon such certificates.

Section 3. Execution of Documents. All contracts and agreements entered into by the Authority shall, unless the members by resolution otherwise direct, be executed on behalf of the Authority by the Chairman or Vice Chairman.

Nothing in these By-laws shall be deemed to limit in any manner the right of the members by resolution adopted at a meeting to designate other or different officers to execute a specified document or documents at any time.

Nothing in these By-laws shall be deemed to prohibit the use of facsimile signature where compliance has been had with the Uniform Facsimile Signature of Public Officials Act of the State of Illinois.

Section 4. Fiscal Year. The Authority shall operate on a fiscal year basis beginning July 1 of each year and ending June 30 of the next succeeding year.

Section 5. Payments. All bills, notes, checks or other instruments for the payment of money shall be signed and countersigned by such officers and in such manner as may be prescribed by resolution of the members.

Section 6. Authority Action. Any action taken by the Authority under this Act may be authorized by resolution at any regular or special meeting, and each such resolution shall, unless otherwise provided therein, take effect



## ILLINOIS EDUCATIONAL FACILITIES AUTHORITY

## NOTICE OF PROPOSED AMENDMENT

immediately and need not be published or posted.

Section 7. Federal Social Security Act. The Authority may take such action as it deems appropriate to enable its employees to come within the provisions and obtain the benefits of the Federal Social Security Act. If the employees of the Authority shall come within the provisions of said Social Security Act, their employment shall be included in the term "employment" as used in applicable laws of the State and shall apply to the Authority to the same extent and in the same manner as they are applicable to the State.

Section 8. Agent. The Executive Director, 333 West Wacker Drive, Chicago, Illinois, shall be, for all purposes, the agent of the Illinois Educational Facilities Authority upon whom any process, notice, or demand required or permitted by law to be served upon the Illinois Educational Facilities Authority may be served.

ARTICLE VII  
Reports

Section 1. Annual Report. The Authority shall keep an accurate account of all its activities and of all its receipts and expenditures and shall annually in the month of January make a report thereof to its members, to the Governor and to the State Auditor of Public Accounts, such reports to be in a form prescribed by the members, with the written approval of the Auditor of Public Accounts.

ARTICLE VIII  
Amendment

These By-laws may be amended by the affirmative vote of at least a majority of the members of the Authority at any regular meeting, provided ten (10) days' previous written notice of the proposed amendment has been given to all members. Such notice may, however, be waived if all members are present and if unanimous consent is given to the adoption of the amendment.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Standards for New Solid Waste Landfills
- 2) Code citation: 35 Ill. Adm. Code 811
- 3) Section numbers: Proposed action:

811.700	Amendment
811.706	Amendment
811.711	Amendment
811.712	Amendment
811.713	Amendment
- 4) Statutory authority: 415 ILCS 5/5, 21, 21.1, 22, 22.17, 22.40, 28.1 & 27
- 5) A complete description of the subjects and issues involved:

A more detailed description is contained in the Board's proposed opinion of May 4, 1995, in R95-13, which opinion is available from the address below. Section 22.40(a) of the Environmental Protection Act [415 ILCS 5/22.40(a)] provides that Section 5-35 of the Administrative Procedure Act [5 ILCS 100/5-35] shall not apply. Because this rulemaking is not subject to Section 5-35 of the IAPA, it is not subject to first notice or to second notice review by JCAR.

This rulemaking updates Part 811 of the Illinois RCRA Subtitle D nonhazardous waste landfill rules to correspond with amendments adopted by U.S. EPA which appeared in the Federal Register on April 7, 1995, at 60 Fed. Reg. 17649. Those amendments delay the effective date of the federal financial assurance requirements until April 9, 1997. The former effective date was April 9, 1995 (or October 9, 1995 for remote, very small landfills, as defined by 40 CFR 258.1(f)(1)). U.S. EPA amended the dates at 40 CFR 258.70(b) and 258.74(a)(5), (b)(1), (c)(1), and (d)(1). The stated purpose for the delay was to allow U.S. EPA additional time to perfect financial tests for local government and corporate self-assurance.

Accordingly, the Board has revised the financial assurance compliance deadlines to April 9, 1997. This required amendment of Sections 811.700(f) and (g), 811.706(c)(1), 811.711(a), 811.712(a), and 811.713(a), which are all locations where a compliance deadline appears in the regulations. In addition to the federally-derived amendments in this rulemaking, the Board has made a number of corrective and general housekeeping amendments in this rulemaking.

- 6) Will this proposed rule replace an emergency rule currently in effect?  
No.
- 7) Does this rulemaking contain an automatic repeal date? No.

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

- 8) Do these proposed amendments contain incorporations by reference? No.
- 9) Are there any other amendments pending on this Part? No.

10) Statement of statewide policy objectives: This rulemaking is mandated by Section 22.40(a) of the Environmental Protection Act. The statewide policy objectives are set forth in Section 20 of that Act. This rulemaking imposes mandates on units of local government only to the extent that they may be involved in the operation of a municipal solid waste landfill (nonhazardous waste landfill). This rulemaking delays the present effective date for financial assurance requirements by two years.

- 11) Time, place and manner in which interested persons may comment on this proposed rulemaking: The Board will accept written public comment on this proposal for a period of 45 days after the date of this publication. Comments should reference Docket R95-13 and be addressed to:

Ms. Dorothy M. Gunn, Clerk  
Illinois Pollution Control Board  
State of Illinois Center, Suite 11-500  
100 W. Randolph St.  
Chicago, IL 60601  
(312) 814-6331

Address all questions to Michael J. McCambridge, at (312) 814-6924.

- 12) Initial regulatory flexibility analysis:

A) Date rule was submitted to the Small Business Office of the Department of Commerce and Community Affairs: May 8, 1995.

B) Types of small businesses affected: The existing rules and proposed amendments affect small businesses that are involved in the operation of a municipal solid waste landfill (nonhazardous waste landfill). This rulemaking delays the present effective date for financial assurance requirements by two years.

C) Reporting, bookkeeping or other procedures required for compliance: The existing rules and proposed amendments require extensive reporting, bookkeeping, and other procedures, including the preparation of manifests and annual reports, waste analyses, and maintenance of operating records. This rulemaking delays the present effective date for financial assurance requirements by two years.

D) Types of professional skills necessary for compliance: Compliance with the existing rules and proposed amendments may require the services of an attorney, certified public accountant, chemist, and registered professional engineer.

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

- 13) State reason(s) for this rulemaking if it was not included in either of the two (2) most recent regulatory agendas:

The full text of the proposed amendments begins on the next page:



## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

## TITLE 35: ENVIRONMENTAL PROTECTION

## SUBTITLE G: WASTE DISPOSAL

## CHAPTER I: POLLUTION CONTROL BOARD

## SUBCHAPTER i: SOLID WASTE AND SPECIAL WASTE HAULING

## PART 811

## STANDARDS FOR NEW SOLID WASTE LANDFILLS

## SUBPART A: GENERAL STANDARDS FOR ALL LANDFILLS

## Section

811.101 Scope and Applicability

811.102 Location Standards

811.103 Surface Water Drainage

811.104 Survey Controls

811.105 Compaction

811.106 Daily Cover

811.107 Operating Standards

811.108 Salvaging

811.109 Boundary Control

811.110 Closure and Written Closure Plan

811.111 Postclosure Maintenance

## SUBPART B: INERT WASTE LANDFILLS

## Section

811.201 Scope and Applicability

811.202 Determination of Contaminated Leachate

811.203 Design Period

811.204 Final Cover

811.205 Final Slope and Stabilization

811.206 Leachate Sampling

811.207 Load Checking

## SUBPART C: PUTRESCIBLE AND CHEMICAL WASTE LANDFILLS

## Section

811.301 Scope and Applicability

811.302 Facility Location

811.303 Design Period

811.304 Foundation and Mass Stability Analysis

811.305 Foundation Construction

811.306 Liner Systems

811.307 Leachate Drainage System

811.308 Leachate Collection System

811.309 Leachate Treatment and Disposal System

811.310 Landfill Gas Monitoring

811.311 Landfill Gas Management System

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

811.312 Landfill Gas Processing and Disposal System

811.313 Intermediate Cover

811.314 Final Cover System

811.315 Hydrogeological Site Investigations

811.316 Plugging and Sealing of Drill Holes

811.317 Groundwater Impact Assessment

811.318 Design, Construction, and Operation of Groundwater Monitoring Systems

811.319 Groundwater Monitoring Programs

811.320 Groundwater Quality Standards

811.321 Waste Placement

811.322 Final Slope and Stabilization

811.323 Load Checking Program

811.324 Corrective Action Measures for MSWLF Units

811.325 Selection of remedy for MSWLF Units

811.326 Implementation of the corrective action program at MSWLF Units

## SUBPART D: MANAGEMENT OF SPECIAL WASTES AT LANDFILLS

## Section

811.401 Scope and Applicability

811.402 Notice to Generators and Transporters

811.403 Special Waste Manifests

811.404 Identification Record

811.405 Recordkeeping Requirements

811.406 Procedures for Excluding Regulated Hazardous Wastes

## SUBPART E: CONSTRUCTION QUALITY ASSURANCE PROGRAMS

## Section

811.501 Scope and Applicability

811.502 Duties and Qualifications of Key Personnel

811.503 Inspection Activities

811.504 Sampling Requirements

811.505 Documentation

811.506 Foundations and Subbases

811.507 Compacted Earth Liners

811.508 Geomembranes

811.509 Leachate Collection Systems

## SUBPART G: FINANCIAL ASSURANCE

## Section

811.700 Scope, Applicability and Definitions

811.701 Upgrading Financial Assurance

811.702 Release of Financial Institution

811.703 Application of Proceeds and Appeals

811.704 Closure and Postclosure Care Cost Estimates

811.705 Revision of Cost Estimate

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

- 811.706 Mechanisms for Financial Assurance  
 811.707 Use of Multiple Financial Mechanisms  
 811.708 Use of a Financial Mechanism for Multiple Sites  
 811.709 Trust Fund for Unrelated Sites  
 811.710 Trust Fund  
 811.711 Surety Bond Guaranteeing Payment  
 811.712 Surety Bond Guaranteeing Performance  
 811.713 Letter of Credit  
 811.714 Closure Insurance  
 811.715 Self-Insurance for Non-commercial Sites

## APPENDIX A Financial Assurance Forms

- ILLUSTRATION A Trust Agreement  
 ILLUSTRATION B Certificate of Acknowledgment  
 ILLUSTRATION C Forfeiture Bond  
 ILLUSTRATION D Performance Bond  
 ILLUSTRATION E Irrevocable Standby Letter of Credit  
 ILLUSTRATION F Certificate of Insurance for Closure and/or Postclosure Care  
 ILLUSTRATION G Operator's Bond Without Surety  
 ILLUSTRATION H Operator's Bond With Parent Surety  
 ILLUSTRATION I Letter from Chief Financial Officer
- APPENDIX B Section-by-Section Correlation Between the Requirements of the Federal MSWLF Regulations at 40 CFR 258 (1992) and the Requirements of Parts 810 through 814

AUTHORITY: Implementing Sections 5, 21, 21.1, 22, 22.17 and 28.1 and authorized by Section 27 of the Environmental Protection Act [415 ILCS 5/5, 21, 21.1, 22, 22.17, 28.1 and 27].

SOURCE: Adopted in R88-7 at 14 Ill. Reg. 15861, effective September 18, 1990; amended in R92-19 at 17 Ill. Reg. 12413, effective July 19, 1993; amended in R93-10 at 18 Ill. Reg. 1308, effective January 13, 1994; expedited correction at 18 Ill. Reg. 7504, effective July 19, 1993; amended in R90-26 at 18 Ill. Reg. 12481, effective August 1, 1994; amended in R95-13 at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

NOTE: In this Part, superscript numbers or letters are denoted by parentheses; subscript are denoted by brackets.

SUBPART G: FINANCIAL ASSURANCE

## Section 811.700 Scope, Applicability and Definitions

- a) This Subpart provides procedures by which the owner or operator of a permitted waste disposal facility provides financial assurance satisfying the requirements of Section 21.1(a) of the Act.
- b) Financial assurance may be provided, as specified in Section 811.706,

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

by a trust agreement, a bond guaranteeing payment, a bond guaranteeing payment or performance, a letter of credit, insurance or self-insurance. The owner operator shall provide financial assurance to the Agency before the receipt of the waste.

c) Except as provided in subsection (f), this Subpart does not apply to the State of Illinois, its agencies and institutions, or to any unit of local government; provided, however, that any other persons who conduct such a waste disposal operation on a site that is owned or operated by such a governmental entity shall provide financial assurance for closure and postclosure care of the site.

d) The owner or operator is not required to provide financial assurance pursuant to this Subpart if the owner or operator demonstrates:

- 1) That closure and postclosure care plans filed pursuant to 35 Ill. Adm. Code 724 or 725 will result in closure and postclosure care of the site in accordance with the requirements of this Part; and
- 2) That the owner or operator has provided financial assurance adequate to provide for such closure and postclosure care pursuant to 35 Ill. Adm. Code 724 or 725.

e) Definition: "Assumed closure date" means the date during the next permit term on which the costs of premature final closure of the facility, in accordance with the standards of this Part, will be greatest.

f) On or after April 9, 1997 1995, no person, other than the State of Illinois, its agencies and institutions, shall conduct any disposal operation at a MSWLF unit that requires a permit under subsection (d) of Section 21 of the Act, unless that person complies with the financial assurance requirements of this Part.

g) The standards adopted in this subpart that are identical in substance to the federal Subtitle D regulations that are individually indicated as applicable to MSWLF units shall not apply to such units until April 9, 1997 1995.

BOARD NOTE: Subsection (f) clarifies the applicability of the financial assurance requirements to local governments, since the Subtitle D regulations exempt only federal and state governments from financial assurance requirements. (See 40 CFR 258.70 (1994), as amended at 60 Fed. Reg. 17652 (Apr. 7, 1995) (1992)).

BOARD NOTE: The compliance dates specified in subsections (f) and (g) reflect the revisions adopted by the USBA in the Federal Register Notification published on October 17, 1993 (see 58 FR 51536).

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.)

## Section 811.706 Mechanisms for Financial Assurance

- a) The owner or operator of a waste disposal site may utilize any of the mechanisms listed in subsections (a)(1) through (a)(6) to provide financial assurance for closure and postclosure care, and for





## POLLUTION CONTROL BOARD

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starting with the date of expiration of the bond. During such extension the bond will cease to serve as financial assurance satisfying the requirements of this Part, and will not excuse the owner or operator from the duty to provide substitute financial assurance.

## h) Cure of default and refunds:

1) The Agency shall release the surety if, after the surety becomes liable on the bond, the owner or operator or another person provides financial assurance for closure and postclosure care of the site or corrective action program at a MSWLF unit, unless the Agency determines that the closure or postclosure care plan, corrective action at a MSWLF unit or the amount of substituted financial assurance is inadequate to provide closure and postclosure care or implement corrective action in compliance with this Part.

2) After closure and postclosure care have been completed in accordance with the plans and requirements of this Part or after the completion of corrective action at a MSWLF unit in accordance with Section 811.326, the Agency shall refund any unspent money which was paid into the "Landfill Closure and Postclosure Fund" by the surety.

BOARD NOTE: MSWLF corrective corrective action language at subsection (a) is derived from 40 CFR 258.74(b)(1) (1991), as amended at 60 Fed. Reg. 17652 (Apr. 7, 1995). ~~†1992†~~ The other clarifying changes reflect the inclusion of financial assurance requirements for implementing corrective action at MSWLF units under this Section.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## Section 811.712 Surety Bond Guaranteeing Performance

- a) An owner or operator may satisfy the requirements of this Subpart by obtaining a surety bond which conforms to the requirements of this Section and submitting the bond to the Agency. A surety bond obtained by an owner or operator of a MSWLF unit must be effective before the initial receipt of waste or before April 9, 1997 1995 (the effective date of the financial assurance requirements under RCRA Subtitle D regulations), whichever is later, in the case of closure and post-closure care, or no later than 120 days after the remedy has been selected in accordance with the requirements of Section 811.325.
- b) The surety company issuing the bond shall be licensed by the Illinois Department of Insurance pursuant to the Illinois Insurance Code (~~††††~~ Rev. Stat. 1991-737-~~par. 7-613-et-seq~~ [215 ILCS 541-~~et-seq~~]) and approved by the U.S. Department of the Treasury as an acceptable surety.

BOARD NOTE: The U.S. Department of the Treasury lists acceptable

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

sureties in its Circular 570.

c) The surety bond must be on the forms as specified in Appendix A, Illustration C, D, or H of this Part.

d) Any payments made under the bond will be placed in the landfill closure and postclosure fund within the State Treasury.

## e) Conditions:

1) The bond must guarantee that the owner or operator will provide closure and postclosure care in accordance with the closure and postclosure care plans in the permit. If the facility is a MSWLF unit, then a corrective action bond must guarantee that the owner or operator will implement corrective action in accordance with Section 811.326. The surety shall have the option of providing closure and postclosure care or carrying out corrective action, or of paying the penal sum.

2) The surety will become liable on the bond obligation when, during the term of the bond, the owner or operator fails to perform as guaranteed by the bond. The owner or operator fails to perform when the owner or operator:

A) Abandons the site;

B) Is adjudicated bankrupt;

C) Fails to initiate closure of the site or postclosure care or corrective action when ordered to do so by the Board pursuant to Title VII of the Act, or when ordered to do so by a court of competent jurisdiction; or

D) Notifies the Agency that it has initiated closure or corrective action, or initiates closure or corrective action, but fails to close the site or provide postclosure care or corrective action in accordance with the closure and postclosure care or corrective action plans; or

E) For a corrective action bond, fails to implement corrective action at a MSWLF unit in accordance with Section 811.326.

## f) Penal sum:

1) The penal sum of the bond must be in an amount at least equal to the current cost estimate.

2) The Agency shall approve a reduction in the penal sum whenever the current cost estimate decreases.

## g) Term:

1) The bond must be issued for a term of at least five years and must not be cancelable during that term.

2) If the owner or operator fails to provide substitute financial assurance prior to expiration of a bond, the term of the bond must be automatically extended for one twelve-month period starting with the date of expiration of the bond. During such extension, the bond will cease to serve as financial assurance satisfying the requirements of this Part, and will not excuse the owner or operator from the duty to provide substitute financial assurance.

## h) Cure of default and refunds:



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1) The Agency shall release the surety if, after the surety becomes liable on the bond, the owner or operator or another person provides financial assurance for closure and postclosure care of the site or corrective action at a MSWLF unit, unless the Agency determines that the closure or postclosure care plan, corrective action at a MSWLF unit, or the amount of substituted financial assurance is inadequate to provide closure and postclosure care or implement corrective action at a MSWLF unit in compliance with this Part.

2) After closure and postclosure care have been completed in accordance with the closure and postclosure care plans and the requirements of this Part or after the completion of corrective action at a MSWLF unit in accordance with Section 811.326, the Agency shall refund any unspent money which was paid into the "Landfill Closure and Postclosure Fund" by the surety.

1) The surety will not be liable for deficiencies in the performance of closure by the owner or operator after the Agency releases the owner or operator from the requirements of this Subpart.

BOARD NOTE: MSWLF corrective action language at subsection (a) is derived from 40 CFR 258.74 (b)(1) (1994), as amended at 60 Fed. Reg. 17652 (Apr. 7, 1995). ~~††99††~~ The other clarifying changes reflect the inclusion of financial assurance requirements for implementing corrective action at MSWLF units under this Section.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## Section 811.713 Letter of Credit

a) An owner or operator may satisfy the requirements of this Subpart by obtaining an irrevocable standby letter of credit which conforms to the requirements of this Section and submitting the letter to the Agency. A letter of credit obtained by an owner or operator of a MSWLF unit must be effective before the initial receipt of waste or before April 9, 1997 ~~†99†~~ (the effective date of the financial assurance requirements under RCRA Subtitle D regulations), whichever is later, in the case of closure and post-closure care, or no later than 120 days after the remedy has been selected in accordance with the requirements of Section 811.325.

b) The issuing institution shall be an entity which has the authority to issue letters of credit and:

1) Whose letter-of-credit operations are regulated by the Illinois Commissioner of Banks and Trust Companies pursuant to the Illinois Banking Act ~~††††-Rev†-State†-199†-ch†-†††-para†-30†-et-se†~~ (205 ILCS 5/†-et-seq†); or,

2) Whose deposits are insured by the Federal Deposit Insurance Corporation or the Federal Savings and Loan Insurance Corporation.

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

## c) Forms:

1) The letter of credit must be on the forms specified in Appendix A, Illustration E.

2) The letter of credit must be accompanied by a letter from the owner or operator, referring to the letter of credit by number, the name and address of the issuing institution, and the effective date of the letter, and providing the following information: the name and address of the site and the amount of funds assured for closure and postclosure care of the site, or for corrective action at a MSWLF unit by the letter of credit.

d) Any amounts drawn by the Agency pursuant to the letter of credit will be deposited in the landfill closure and postclosure fund within the State Treasury.

e) Conditions on which the Agency may draw on the letter of credit:

1) The Agency shall draw on the letter of credit if the owner or operator fails to perform closure or postclosure care in accordance with the closure and postclosure care plans, or fails to implement corrective action at a MSWLF unit in accordance with Section 811.326.

2) The Agency shall draw on the letter of credit when the owner or operator:

A) Abandons the site;

B) Is adjudicated bankrupt;

C) Fails to initiate closure of the site or postclosure care or corrective action when ordered to do so by the Board pursuant to Title VII of the Act, or when ordered to do so by a court of competent jurisdiction; or

D) Notifies the Agency that it has initiated closure or corrective action, or initiates closure or corrective action, but fails to provide closure and postclosure care or corrective action in accordance with the closure and postclosure care or corrective action plans; or

E) For a corrective action bond, fails to implement corrective action at a MSWLF unit in accordance with Section 811.326.

## f) Amount:

1) The letter of credit must be issued in an amount at least equal to the current cost estimate.

2) The Agency shall approve a reduction in the amount whenever the current cost estimate decreases.

## g) Term:

1) The letter of credit must be issued for a term of at least five years and must be irrevocable during that term.

2) If the owner or operator fails to substitute alternative financial assurance prior to expiration of a letter of credit, the term of the letter of credit must be automatically extended for one twelve-month period starting with the date of expiration. During such extension, the letter of credit will cease to serve as financial assurance satisfying the requirements of this Part,

## POLLUTION CONTROL BOARD

## NOTICE OF PROPOSED AMENDMENTS

and will not excuse the owner or operator from the duty to provide substitute financial assurance.

h) Cure of default and refunds:

1) The Agency shall release the financial institution if, after the Agency is allowed to draw on the letter of credit, the owner or operator or another person provides financial assurance for closure and postclosure care of the site or corrective action at a MSWLF unit, unless the Agency determines that a plan or the amount of substituted financial assurance is inadequate to provide closure and postclosure care, or implement corrective action at a MSWLF unit, as required by this Part.

2) After closure and postclosure care have been completed in accordance with the closure and postclosure care plans and the requirements of this Part or after the completion of corrective action at a MSWLF unit in accordance with Section 811.326, the Agency shall refund any unspent money which was paid into the "Landfill Closure and Postclosure Fund" by the financial institution.

BOARD NOTE: MSWLF corrective action language at subsection(a) is derived from 40 CFR 258.74(c)(1) (1994), as amended at 60 Fed. Reg. 17652 (Apr. 7, 1995). ††992†: The other clarifying changes reflect the inclusion of financial assurance requirements for implementing corrective action at MSWLF units under this Section.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## DEPARTMENT OF PUBLIC AID

## NOTICE OF PROPOSED AMENDMENTS

- 1) Heading of the Part: Medical Assistance Programs
- 2) Code Citation: 89 Ill. Adm. Code 120
- 3) Section Numbers: Proposed Action:  
 120.379 Amendment  
 120.386 Amendment  
 120.387 Amendment
- 4) Statutory Authority: Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, par. 12-13) [305 ILCS 5/12-13]
- 5) Complete Description of the Subjects and Issues Involved: In accordance with P.A. 87-460, these proposed amendments extend provisions for the prevention of spousal impoverishment to persons who, but for the receipt of home and community-based services under Section 4.02 of the Illinois Act on the Aging, would require the level of care provided in a long term care facility and whose spouse resides in the community. The Department on Aging will apply provisions for the prevention of spousal impoverishment in accordance with 89 Ill. Adm. Code 240.810 and 89 Ill. Adm. Code 240.825.

This rulemaking enables individuals eligible for nursing home care who choose instead to receive services under the Home and Community Based Waiver Program administered by the Department on Aging to utilize the same provisions for spousal impoverishment prevention as persons receiving nursing home care. These provisions include transferability of assets and, for MANG clients, deduction from non-SSI income for a Community Spouse Maintenance Needs Allowance and a Family Maintenance Needs Allowance. Without this provision, these individuals would be forced to enter nursing home facilities to receive the needed level of care.

- 6) Will these proposed amendments replace emergency amendments currently in effect? No
- 7) Does this rulemaking contain an automatic repeal date? No
- 8) Do these proposed amendments contain incorporations by reference? No
- 9) Are there any other proposed amendments pending on this Part? Yes

Sections	Proposed Action	Illinois Register Citation
120.60	Amendment	April 21, 1995 (19 Ill. Reg. 5923)

- 10) Statement of Statewide Policy Objectives: These proposed amendments do



DEPARTMENT OF PUBLIC AID  
NOTICE OF PROPOSED AMENDMENTS

not affect units of local government.

11) Time, Place, and Manner in which Interested Persons may comment on this proposed rulemaking: Any interested parties may submit comments, data, views, or arguments concerning this proposed rulemaking. All comments must be in writing and should be addressed to Judy Umunna, Bureau of Rules and Regulations, Illinois Department of Public Aid, 100 South Grand Ave., E., 3rd Floor, Springfield, Illinois 62762 (Phone: (217) 524-3215). The Department requests the submission of written comments within 30 days after the publication of this notice. The Department will consider all written comments it receives during the first notice period as required by Section 5-40 of the Illinois Administrative Procedure Act [5 ILCS 100/5-40].

12) Initial Regulatory Flexibility Analysis:

A) Types of small businesses, small municipalities and not for profit corporations affected: None

B) Reporting, bookkeeping or other procedures required for compliance: None

C) Types of professional skills necessary for compliance: None

13) State reasons for this rulemaking if it was not included in either of the two most recent regulatory agendas: The reasons for this rulemaking are fully described above in the complete description of the subjects and issues involved. This rulemaking was not anticipated by the Department when the two most recent regulatory agendas were published.

The full text of the Proposed Amendments begins on the next page:

DEPARTMENT OF PUBLIC AID  
NOTICE OF PROPOSED AMENDMENTS

TITLE 89: SOCIAL SERVICES  
CHAPTER I: DEPARTMENT OF PUBLIC AID  
SUBCHAPTER b: ASSISTANCE PROGRAMS

PART 120

MEDICAL ASSISTANCE PROGRAMS

SUBPART A: GENERAL PROVISIONS

Section

120.1 Incorporation By Reference

SUBPART B: ASSISTANCE STANDARDS

Section

120.10 Eligibility For Medical Assistance

120.11 Eligibility For Medical Assistance For Pregnant Women and Children Born October 1, 1983, or Later Who Do Not Qualify As Mandatory Categorically Needy

120.12 Healthy Start - Medicaid Presumptive Eligibility Program For Pregnant Women

120.20 MANG(AABD) Income Standard

120.30 MANG(C) Income Standard

120.31 MANG(P) Income Standard

120.40 Exceptions To Use Of MANG Income Standard

120.50 AMI Income Standard (Repealed)

SUBPART C: FINANCIAL ELIGIBILITY DETERMINATION

Section

120.60 All Cases Other Than Intermediate Care, Skilled Nursing Care, DMHDD, DMHDD Approved Community Based Settings and Pregnant Women and Children Born October 1, 1983, or Later Who Do Not Qualify As Mandatory Categorically Needy

120.61 Cases in Intermediate Care, Skilled Nursing Care and DMHDD - MANG(AABD) and All Other Licensed Medical Facilities

120.62 Department of Mental Health and Developmental Disabilities (DMHDD) Approved Home and Community Based Residential Settings Under 89 Ill. Adm. Code 140.643

120.63 Department of Mental Health and Developmental Disabilities (DMHDD) Approved Home and Community Based Residential Settings

120.64 Pregnant Women and Children Born October 1, 1983, or Later Who Do Not Qualify As Mandatory Categorically Needy

120.65 Department of Mental Health and Developmental Disabilities (DMHDD) Licensed Community - Integrated Living Arrangements

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 TABLE A Value of a Life Estate and Remainder Interest  
 TABLE B Life Expectancy  
 AUTHORITY: Implementing Articles III, IV, V, VI and VII and authorized by Section 12-13 of the Illinois Public Aid Code (Ill. Rev. Stat. 1991, ch. 23, pars. 3-1 et seq., 4-1 et seq., 5-1 et seq., 6-1 et seq., 7-1 et seq., and 12-13) [305 ILCS 5/Arts. III, IV, V, VI and VII and 12-13].  
 SOURCE: Filed effective December 30, 1977; peremptory amendment at 2 Ill. Reg. 17, p. 117, effective February 1, 1978; amended at 2 Ill. Reg. 31, p. 134, effective August 5, 1978; emergency amendment at 2 Ill. Reg. 37, p. 4, effective August 30, 1978, for a maximum of 150 days; peremptory amendment at 2

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Ill. Reg. 46, p. 44, effective November 1, 1978; peremptory amendment at 2 Ill. Reg. 46, p. 56, effective November 1, 1978; emergency amendment at 3 Ill. Reg. 16, p. 41, effective April 9, 1979, for a maximum of 150 days; emergency amendment at 3 Ill. Reg. 28, p. 182, effective July 1, 1979, for a maximum of 150 days; amended at 3 Ill. Reg. 33, p. 399, effective August 18, 1979; amended at 3 Ill. Reg. 33, p. 415, effective August 18, 1979; amended at 3 Ill. Reg. 38, p. 243, effective September 21, 1979, peremptory amendment at 3 Ill. Reg. 38, p. 321, effective September 7, 1979; amended at 3 Ill. Reg. 40, p. 140, effective October 6, 1979; amended at 3 Ill. Reg. 46, p. 36, effective November 2, 1979; amended at 3 Ill. Reg. 47, p. 96, effective November 13, 1979; amended at 3 Ill. Reg. 48, p. 1, effective November 15, 1979; peremptory amendment at 4 Ill. Reg. 9, p. 259, effective February 22, 1980; amended at 4 Ill. Reg. 10, p. 258, effective February 25, 1980; amended at 4 Ill. Reg. 12, p. 551, effective March 10, 1980; amended at 4 Ill. Reg. 27, p. 387, effective June 24, 1980; emergency amendment at 4 Ill. Reg. 29, p. 294, effective July 8, 1980, for a maximum of 150 days; amended at 4 Ill. Reg. 37, p. 797, effective September 2, 1980; amended at 4 Ill. Reg. 37, p. 800, effective September 2, 1980; amended at 4 Ill. Reg. 45, p. 134, effective October 27, 1980; amended at 5 Ill. Reg. 766, effective January 2, 1981; amended at 5 Ill. Reg. 1134, effective January 26, 1981; peremptory amendment at 5 Ill. Reg. 5722, effective June 1, 1981; amended at 5 Ill. Reg. 7071, effective June 23, 1981; amended at 5 Ill. Reg. 7104, effective June 23, 1981; amended at 5 Ill. Reg. 8041 effective July 27, 1981; amended at 5 Ill. Reg. 8052, effective July 24, 1981; peremptory amendment at 5 Ill. Reg. 8106, effective August 1, 1981; peremptory amendment at 5 Ill. Reg. 10062, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10079, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10095, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10113, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10124, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 10131, effective October 1, 1981; amended at 5 Ill. Reg. 10730, effective October 1, 1981; amended at 5 Ill. Reg. 10733, effective October 1, 1981; amended at 5 Ill. Reg. 10760, effective October 1, 1981; amended at 5 Ill. Reg. 10767, effective October 1, 1981; peremptory amendment at 5 Ill. Reg. 11647, effective October 16, 1981; peremptory amendment at 6 Ill. Reg. 611, effective January 1, 1982, amended at 6 Ill. Reg. 1216, effective January 14, 1982; emergency amendment at 6 Ill. Reg. 2447, effective March 1, 1982, for a maximum of 150 days; peremptory amendment at 6 Ill. Reg. 2452, effective February 11, 1982; peremptory amendment at 6 Ill. Reg. 6912, effective May 20, 1982; emergency amendment at 6 Ill. Reg. 7299, effective June 2, 1982, for a maximum of 150 days; amended at 6 Ill. Reg. 8115, effective July 1, 1982; amended at 6 Ill. Reg. 8142, effective July 1, 1982; amended at 6 Ill. Reg. 8159, effective July 1, 1982; amended at 6 Ill. Reg. 10970, effective August 26, 1982; amended at 6 Ill. Reg. 11921, effective September 21, 1982; amended at 6 Ill. Reg. 12293, effective October 1, 1982; amended at 6 Ill. Reg. 12318, effective October 1, 1982; amended at 6 Ill. Reg. 13754, effective November 1, 1982; amended at 7 Ill. Reg. 394, effective January 1, 1983; codified at 7 Ill. Reg. 6082; amended at 7 Ill. Reg. 8256, effective July 1, 1983; amended at 7 Ill. Reg. 8264, effective July 5, 1983;

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amended (by adding section being codified with no substantive change) at 7 Ill. Reg. 14747; amended (by adding sections being codified with no substantive change) at 7 Ill. Reg. 16108; amended at 8 Ill. Reg. 5253, effective April 9, 1988; amended at 8 Ill. Reg. 6770, effective April 27, 1984; amended at 8 Ill. Reg. 13328, effective July 16, 1984; amended (by adding sections being codified with no substantive change) at 8 Ill. Reg. 17897; amended at 8 Ill. Reg. 18903, effective September 26, 1984; preemptory amendment at 8 Ill. Reg. 20706, effective October 3, 1984; amended at 8 Ill. Reg. 25053, effective December 12, 1984; emergency amendment at 9 Ill. Reg. 830, effective January 3, 1985, for a maximum of 150 days; amended at 9 Ill. Reg. 4515, effective March 25, 1985; amended at 9 Ill. Reg. 5346, effective April 11, 1985; amended at 9 Ill. Reg. 7153, effective May 6, 1985; amended at 9 Ill. Reg. 11346, effective July 8, 1985; amended at 9 Ill. Reg. 12298, effective July 25, 1985; amended at 9 Ill. Reg. 12823, effective August 9, 1985; amended at 9 Ill. Reg. 15903, effective October 4, 1985; amended at 9 Ill. Reg. 16300, effective October 10, 1985; amended at 9 Ill. Reg. 16906, effective October 18, 1985; amended at 10 Ill. Reg. 1192, effective January 10, 1986; amended at 10 Ill. Reg. 3033, effective January 23, 1986; amended at 10 Ill. Reg. 4907, effective March 7, 1986; amended at 10 Ill. Reg. 6966, effective April 16, 1986; amended at 10 Ill. Reg. 10688, effective June 3, 1986; amended at 10 Ill. Reg. 12672, effective July 14, 1986; amended at 10 Ill. Reg. 15649, effective September 19, 1986; amended at 11 Ill. Reg. 3992, effective February 23, 1987; amended at 11 Ill. Reg. 7652, effective April 15, 1987; amended at 11 Ill. Reg. 8735, effective April 20, 1987; emergency amendment at 11 Ill. Reg. 12458, effective July 10, 1987 for a maximum of 150 days; amended at 11 Ill. Reg. 14034, effective August 14, 1987; amended at 11 Ill. Reg. 14763, effective August 26, 1987; amended at 11 Ill. Reg. 20142, effective January 1, 1988; amended at 11 Ill. Reg. 20898, effective December 14, 1987; amended at 12 Ill. Reg. 904, effective January 1, 1988; amended at 12 Ill. Reg. 3516, effective January 22, 1988; amended at 12 Ill. Reg. 6234, effective March 22, 1988; amended at 12 Ill. Reg. 8672, effective May 13, 1988; amended at 12 Ill. Reg. 9132, effective May 20, 1988; amended at 12 Ill. Reg. 11483, effective June 30, 1988; emergency amendment at 12 Ill. Reg. 11632, effective July 1, 1988, for a maximum of 150 days; emergency amendment at 12 Ill. Reg. 11839, effective July 1, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 12835, effective July 22, 1988; emergency amendment at 12 Ill. Reg. 13243, effective July 29, 1988, for a maximum of 150 days; amended at 12 Ill. Reg. 17867, effective October 30, 1988; amended at 12 Ill. Reg. 19704, effective November 15, 1988; amended at 12 Ill. Reg. 20188, effective November 23, 1988; amended at 13 Ill. Reg. 116, effective January 1, 1989; amended at 13 Ill. Reg. 2081, effective February 3, 1989; amended at 13 Ill. Reg. 3908, effective March 10, 1989; emergency amendment at 13 Ill. Reg. 11929, effective July 27, 1989, for a maximum of 150 days; emergency expired November 25, 1989; emergency amendments at 13 Ill. Reg. 12137, effective July 1, 1989, for a maximum of 150 days; amended at 13 Ill. Reg. 15404, effective October 6, 1989; emergency amendment at 13 Ill. Reg. 16586, effective October 2, 1989, for a maximum of 150 days; emergency expired March 1, 1990; amended at 13 Ill. Reg. 17483, effective October 31, 1989; amended at 13 Ill. Reg. 17838, effective November 8, 1989; amended at 13 Ill.

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Reg. 18872, effective November 17, 1989; amended at 14 Ill. Reg. 760, effective January 1, 1990; emergency amendment at 14 Ill. Reg. 1494, effective January 2, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 4233, effective March 5, 1990; emergency amendment at 14 Ill. Reg. 5839, effective April 3, 1990, for a maximum of 150 days; amended at 14 Ill. Reg. 6372, effective April 16, 1990; amended at 14 Ill. Reg. 7637, effective May 10, 1990; amended at 14 Ill. Reg. 10396, effective June 20, 1990; amended at 14 Ill. Reg. 13227, effective August 6, 1990; amended at 14 Ill. Reg. 14814, effective September 3, 1990; amended at 14 Ill. Reg. 17004, effective September 30, 1990; emergency amendment at 15 Ill. Reg. 348, effective January 1, 1991, for a maximum of 150 days; amended at 15 Ill. Reg. 5302, effective April 1, 1991; amended at 15 Ill. Reg. 10101, effective June 24, 1991; amended at 15 Ill. Reg. 11973, effective August 12, 1991; amended at 15 Ill. Reg. 12747, effective August 16, 1991; amended at 15 Ill. Reg. 14105, effective September 11, 1991; amended at 15 Ill. Reg. 14240, effective September 23, 1991; amended at 16 Ill. Reg. 139, effective December 24, 1991; amended at 16 Ill. Reg. 1862, effective January 20, 1992; amended at 16 Ill. Reg. 10034, effective June 15, 1992; amended at 16 Ill. Reg. 11582, effective July 15, 1992; amended at 16 Ill. Reg. 17290, effective November 3, 1992; amended at 17 Ill. Reg. 1102, effective January 15, 1993; amended at 17 Ill. Reg. 6827, effective April 21, 1993; amended at 17 Ill. Reg. 10402, effective June 28, 1993; amended at 18 Ill. Reg. 2051, effective January 21, 1994; amended at 18 Ill. Reg. 5934, effective April 1, 1994; amended at 18 Ill. Reg. 8718, effective June 1, 1994; amended at 18 Ill. Reg. 11231, effective July 1, 1994; amended at 19 Ill. Reg. 2905, effective February 27, 1995; amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_.

## SUBPART H: MEDICAL ASSISTANCE - NO GRANT

Section 120.379 Assessment-of-Assets Provisions for the Prevention of Spousal Impoverishment

Provisions--for--the--assessment--of--assets--applies--only--to--a--resident--of--a--long--term--care--facility--whose--spouse--resides--in--the--community.

a) The provisions for the prevention of spousal impoverishment apply only to a resident of a long term care facility whose spouse resides in the community and to a person who but for the provision of home and community-based services under Section 4.02 of the Illinois Act on the Aging would require the level of care provided in a long term care facility and whose spouse resides in the community.

b) An assessment is completed to determine the total combined amount of nonexempt ~~non-exempt~~ assets of the individual resident and his or her ~~higher~~ community spouse:

- 1) when resident begins in a long term care facility or when home and community-based services begin; and
- 2) when requested by either spouse or a representative acting on behalf of either spouse, even if an application for assistance has not been filed.

c) A re-assessment An assessment is not required if a resident-of-a-long



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term-care-facility:

- 1) a resident of a long term care facility is discharged for a period of less than 30 days and then reenters the facility; or
- 2) a resident of a long term care facility enters a hospital and then returns to the facility from the hospital;
- 3) an individual discontinues receiving home and community-based services for a period of less than 30 days; or
- 4) an individual discontinues receiving home and community-based services due to hospitalization and then is discharged and begins to receive home and community-based services.

- d) The transfer of property is allowed, as determined in subsection (b) of this Section, by the client to the community spouse or to another individual for the sole benefit of the community spouse in an amount that does not exceed the Community Spouse Asset Allowance. The Community Spouse Asset Allowance, as of October 1, 1989, is an amount up to but not greater than \$60,000 that the individual may transfer, without affecting eligibility, to the community spouse or to another individual for the sole benefit of the community spouse. As of October 1, 1989, the amount of assets an individual may transfer to his or her community spouse is \$60,000 minus any nonexempt assets of the community spouse. The amount established as the Community Spouse Asset Allowance shall be provided for calendar years after 1989 by the Department of Health and Human Services. The Community Spouse Asset Allowance is subject to the following qualifiers:
  - 1) The amount of assets sufficient to provide for (the amount of income generated) the Community Spouse Maintenance Needs Allowance (as described in subsection (e) of this Section) as determined by a fair hearing; or
  - 2) The amount transferred under a court order to the community spouse.

- e) Deductions are allowed from the MANG client's non-SPI income for a Community Spouse Maintenance Needs Allowance and a Family Maintenance Needs Allowance for each dependent family member who is living with the community spouse and who does not have enough income to meet his or her needs. Family members include dependent children under age 21, dependent adult children, dependent parents or dependent siblings of either spouse. The amount of the deduction is determined as follows:
  - 1) The deduction for the Community Spouse Maintenance Needs Allowance, as of October 1, 1989, is equal to the community spouse maintenance needs standard (\$1,500) less any nonexempt monthly income of the community spouse. The amount established as the community spouse maintenance needs standard shall be provided for calendar years after 1989 by the Department of Health and Human Services. The deduction is allowed only to the extent the income of the individual is contributed to the community spouse. However, the deduction for the Community Spouse Maintenance Needs Allowance shall not be less than the amount ordered by the court for support of the community spouse

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- 2) or the amount determined as the result of the fair hearing. The deduction for the Family Maintenance Needs Allowance for each dependent family member is equal to one-third of the difference between the family maintenance needs standard (122% of the Federal Poverty Level for two persons as of September 30, 1989, 133% as of July 1, 1991 and 150% as of July 1, 1992) and any nonexempt income of the family member.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

**Section 120.386 Property Transfers Occurring On or Before August 10, 1993****a) Applicability**

- 1) The provisions for the transfer of property (for example, assets) in this Section only apply to institutionalized persons when the transfer occurs on or before August 10, 1993. An institutionalized person is defined as a resident ~~residents~~ of a long term care facility, including a resident who was living in the community at the time of the transfer, and to individuals who but for the provision of home and community-based services under Section 4.02 of the Illinois Act on the Aging would require the level of care in a long term care facility. An institutionalized person also includes an individual receiving home and community-based services under Section 4.02 of the Illinois Act on the Aging who was not receiving these services at the time of the transfer ~~facilities~~ who ~~apply~~ ~~for~~ ~~Medicaid~~ ~~on~~ ~~or~~ ~~after~~ ~~October 17, 1989~~ ~~regardless of the date of the transfer and to residents whose application for Medicaid is filed prior to October 17, 1989~~ ~~if the transfer occurs on or after October 17, 1989~~.

- 2) Transfers of property disregarded as a result of payments made by a Long Term Care Partnership Insurance Policy (as described in 50 Ill. Adm. Code 2018) are not subject to the provisions of subsection (b), (c), and (d) of this Section.

- 3) The provisions for the transfer of property (for example, assets) in this Section apply to the transfer of property by the institutionalized person's a resident's spouse when the transfer applies for Medicaid on or after June 17, 1991, if the transfer occurs on or after December 20, 1989, and to a resident's spouse when the resident's application for Medicaid is filed prior to June 17, 1991, if the transfer occurs on or after June 17, 1991 in the same manner as if the institutionalized person transferred the property.

- 4) ~~The provisions for the transfer of property for exempt assets in this Section do not apply to eligibility determinations for individuals who reside in the community.~~

- b) A transfer of assets occurs when an institutionalized person or an

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institutionalized person's a resident of a long-term care facility or the resident's spouse buys, sells or gives away real or personal property or changes (for example, change from joint tenancy to tenancy in common) the way property is held. Changing ownership of property to a life estate interest is an asset transfer (the value of the life estate and remainder interest is determined as described in Section 120.380 and 89 Ill. Adm. Code 113.140). A transfer occurs when an action or actions are taken which would cause an asset or assets not to be received (for example, waiving the right to receive an inheritance).

c) A transfer is allowable if:

1) the transfer occurred more than 30 months before the date of application or more than 30 months before entry into the long term care facility or more than 30 months before receipt of services provided by the Illinois Department on Aging under the In-Home Care Program (as described in Section 140.643);

2) the transfer by the resident's spouse, occurred prior to December 20, 1989;

3) a fair market value was received. Fair market value is the price that an article or piece of property might be expected to bring if offered for sale in a fair market. Fair market value is determined by statements obtained from institutions, community members, etc. (for example, bankers, jewelers, reputable realtors, etc.) recognized as having knowledge of property values;

3) homestead property was transferred to:

- A) a spouse;
- B) the individual's child who is under age 21;
- C) the individual's child who is blind or permanently and totally disabled;
- D) the individual's brother or sister who has an equity interest in the homestead property and who was residing in the home for at least one year immediately prior to the date the individual became institutionalized entered the facility; or
- E) the individual's child who provided care for the individual and who was residing in the homestead property for two years immediately prior to the date the individual became institutionalized entered the facility.

4) The transfer by the institutionalized person resident was to the community spouse or to another individual for the sole benefit of the community spouse and the amount transferred does not exceed the Community Spouse Asset Allowance (as described in Section 120.179); the Community Spouse Asset Allowance, as of October 1, 1989, is an amount up to but not greater than \$60,000 that the resident may transfer without affecting eligibility to the community spouse or to another individual for the sole benefit of the community spouse. As of October 1, 1989, the amount of

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assets a resident may transfer to his or her community spouse is \$60,000 minus any non-exempt assets of the community spouse. The amount established as the Community Spouse Asset Allowance shall be increased for calendar years after 1989 by the same percentage as the percentage increase in the consumer price index for all urban consumers. The Community Spouse Asset Allowance is subject to the following qualifiers:

A) The amount of assets sufficient to provide the amount of income generated by the community spouse maintenance needs allowance (as described in Section 120.64) as determined by a fair hearing; or

B) the amount transferred under a court order to the community spouse;

5) the transfer was to the individual's child who is blind or permanently and totally disabled or to another person for the sole benefit of the individual's child;

6) the individual intended to transfer the assets for fair market value;

7) it is determined that denial of assistance would create an undue hardship. Examples of undue hardship include, but are not limited to, situations in which:

A) the individual resident is mentally unable to explain how the assets were transferred;

B) the denial of assistance would force the resident to move from the long term care facility; or

C) the individual would be prohibited from joining a spouse in a facility that is within close proximity to his/her family;

8) the transfer was made exclusively for a reason other than to qualify for assistance. A transfer for less than fair market value is presumed to have been made to qualify for assistance unless a satisfactory showing is made to the Department that the client or spouse transferred the asset exclusively for a reason other than to qualify for assistance;

9) the transfer by the individual resident was to the community spouse and was the result of a court order; or

10) the transfer was to an annuity and the expected return on the annuity is commensurate with the estimated life expectancy of the person. In determining the estimated life expectancy of the person, the Department shall use the life expectancy table described in Section 120.140.

d) If a transfer or transfers do not meet the provisions of subsection (c), the client resident is subject to a period of ineligibility for long term care services and for services provided by the Illinois Department on Aging under the In-Home Care Program (as described in Section 140.643). The penalty period is determined in accordance with subsection (e). If otherwise eligible, clients residents remain entitled to other covered medical services.



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- e) A separate penalty period is determined for each month in which a transfer or transfers do not meet the provisions of subsection (c). Each penalty period is the lesser of the number of months the total uncompensated amount of the transferred assets would meet the monthly cost of long term care at the (private rate)-~~at the facility~~ or 30 months.
- f) The penalty period begins with the month of the transfer or transfers unless the transfer or transfers occurred during a previous penalty period. If so, the penalty period begins with the month following the month the previous penalty period ends. However, the penalty period cannot exceed 30 months from the month of the transfer or transfers.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

## Section 120.387 Property Transfers Occurring On or After August 11, 1993

- a) The provisions for the transfer of property (for example, assets) listed below only apply to institutionalized persons ~~residents of long term care facilities, including residents who were living in the community at the time of the transfer~~ when the transfer occurs on or after August 11, 1993. An institutionalized person is defined as a resident of a long term care facility, including a resident who was living in the community at the time of the transfer, and to individuals who but for the provision of home and community-based services under Section 4.02 of the Illinois Act on the Aging would require the level of care in a long term care facility. An institutionalized person also includes an individual receiving home and community-based services under Section 4.02 of the Illinois Act on Aging who was not receiving these services at the time of the transfer.
- b) The provisions for the transfer of property (for example, assets) listed below apply to the transfer of property by the institutionalized person's ~~resident's~~ spouse in the same manner as if the institutionalized person ~~resident~~ transferred the property.
- c) Transfers of property disregarded as a result of payments made by a Long Term Care Partnership Insurance Policy (as described in 50 Ill. Adm. Code 2018) are not subject to the provisions of this Section. ~~the provisions for the transfer of property (for example, assets) listed below do not apply to eligibility determinations for persons who reside in the community.~~
- d) A transfer of assets occurs when an institutionalized person or an institutionalized person's ~~a resident of a long term care facility or the resident's~~ spouse buys, sells or gives away real or personal property or changes (for example, change from joint tenancy to tenancy in common) the way property is held. Changing ownership of property to a life estate interest is an asset transfer (the value of the life estate and remainder interest is determined as described at Section

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120.380 and 89 Ill. Adm. Code 113.140). For assets held in joint tenancy, tenancy in common or similar arrangement, a transfer occurs when an action by any person reduces or eliminates the person's ownership or control of the asset. A transfer occurs when an action or actions are taken which would cause an asset or assets not to be received (for example, waiving the right to receive an inheritance).

- e) A transfer is allowable if:

1) depending on the property transferred, the transfer occurred more than either 60 or 36 months before the date of application, or more than either 60 or 36 months before entry into a long term care facility or more than either 60 or 36 months before receipt of services provided by the Illinois Department on Aging under the In-Home Care Program (as described in Section 140.643).

A) the 60 month period applies to payments from a revocable trust that are not treated as income (as described in Section 120.347) and to portions of an irrevocable trust from which no payments could be made (as described in Section 120.347).

B) the 36 month period applies to payments from an irrevocable trust that are not treated as income (as described in Section 120.347) and to any other property transfers not identified in this subsection.

2) a fair market value was received. Fair market value is the price that an article or piece of property might be expected to bring if offered for sale in a fair market. Fair market value is determined by statements obtained from institutions, community members, etc. (for example, bankers, jewelers, reputable realtors, etc.) recognized as having knowledge of property values.

3) homestead property was transferred to:

- A) a spouse;
- B) the person's child who is under age 21;
- C) the person's child who is blind (as described in Section 120.313) or disabled (as described in Section 120.314);
- D) the person's brother or sister who has an equity interest in the homestead property and who was residing in the home for at least one year immediately prior to the date the person became institutionalized ~~entered the facility~~; or
- E) the person's child who provided care for the person and who was residing in the homestead property for two years immediately prior to the date the person became institutionalized ~~entered the facility~~.

4) the transfer by the institutionalized person ~~resident~~ was to the community spouse or to another person for the sole benefit of the community spouse and the amount transferred does not exceed the Community Spouse Asset Allowance (as described in Section 120.379). ~~The Community Spouse Asset Allowance as of October 1, 1993, is an amount up to but not greater than \$60,000 that the~~

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- 13) the transfer was to an annuity and the expected return on the annuity is commensurate with the estimated life expectancy of the person. In determining the estimated life expectancy of the person, the Department shall use the life expectancy table described in Section 120.140, Table B.
- f) If a transfer or transfers do not meet the provisions of subsection (e), the client resident is subject to a period of ineligibility for long term care services and for services provided by the Illinois Department on Aging under the In-Home Care Program (as described in Section 140.643). The penalty period is determined in accordance with subsection (g). If otherwise eligible, clients residents remain entitled to other covered medical services.
- g) A separate penalty period is determined for each month in which a transfer or transfers do not meet the provisions of subsection (e). Each penalty period is the number of months equal to the total uncompensated amount of assets transferred during a month divided by the monthly cost of long term care at the private rate-at-the facility.
- h) The penalty period begins with the month of the transfer or transfers unless the transfer or transfers occurred during a previous penalty period. If so, the penalty period begins with the month following the month the previous penalty period ends.
- i) For transfers by the community spouse that result in a penalty period of ineligibility-for-long-term-care-services as described in subsection (g) and the community spouse becomes an institutionalized person enters-a-long-term-care-facility and is becomes otherwise eligible for assistance, the Department shall divide any remaining penalty period of ineligibility-for-long-term-care-services equally between the spouses.

(Source: Amended at 19 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

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- resident may transfer--without-affecting-eligibility--to--the community spouse--or--to another individual--for the sole benefit--of the--community spouse--As--of--October--17--1989--the amount--of assets--a resident may transfer--to his--or--her--community spouse--is \$50,000--minus any nonexempt assets--of the--community spouse--the amount--established as--the Community Spouse Asset Allowance--shall be increased--for calendar years--after 1989--by the same percentage as--the percentage--increase in the consumer price index--for all urban consumers--the Community Spouse Asset Allowance is subject to the following qualifiers:
- A) The amount of assets sufficient to provide--(the amount--of income--generated)--the--Community--Spouse Maintenance Needs Allowance--(as described in Section 120.611)--as determined--by a fair hearing--or
- B) the amount transferred under a court order--to the community spouse:
- 5) the transfer from the community spouse was to another person for the sole benefit of the community spouse or.
- 6) the transfer was to the person's child or to a trust established solely for the benefit of the person's child who is blind (as described in Section 120.313) or disabled (as described in Section 120.314) or to another person for the sole benefit of the person's child.
- 7) the transfer was to a trust established solely for the benefit of a person under age 65 who is disabled (as described in Section 120.314).
- 8) the person intended to transfer the assets for fair market value.
- 9) it is determined that denial of assistance would create an undue hardship. Examples of undue hardship include, but are not limited to, situations in which:
- A) the individual resident is mentally unable to explain how the assets were transferred;
- B) the denial of assistance would force the resident to move from the long term care facility; or
- C) the individual would be prohibited from joining a spouse in a facility or would prohibit the individual from entering a facility that is within close proximity to his or her family.
- 10) the transfer was made exclusively for a reason other than to qualify for assistance. A transfer for less than fair market value is presumed to have been made to qualify for assistance unless a satisfactory showing is made to the Department that the client or spouse transferred the asset exclusively for a reason other than to qualify for assistance.
- 11) the transfer by the client resident was to the community spouse and was the result of a court order.
- 12) the assets transferred for less than fair market value have been returned to the person.



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- 1) Heading of the Part: Agrichemical Facilities
- 2) Code Citation: 8 Ill. Adm. Code 255
- 3) Section Numbers: Adopted Action:  
255.10 Amended  
255.50 Amended  
255.60 Amended  
255.110 Amended  
255.170 Amended
- 4) Statutory Authority: Illinois Pesticide Act [415 ILCS 60] and the Illinois Fertilizer Act of 1961 [505 ILCS 80].
- 5) Effective Date of amendments: May 8, 1995
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this proposed amendment contain incorporations by reference? Yes
- 8) Date Filed in Agency's Principal Office: May 5, 1995
- 9) Notices of Proposal Published in Illinois Register: 19 Ill. Reg. 1, January 6, 1995
- 10) Has JCAR issued a Statement of Objections to these rules? No
- 11) Differences between proposal and final version: Nonsubstantive editorial corrections were made. In Section 255.170(d)(8), references to Sections 3.02 and 9 of the Illinois Environmental Protection Act were added to match the ILCS citation.
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes
- 13) Will this amendment replace an emergency amendment in effect? No
- 14) Are there any amendments pending on this Part? No
- 15) Summary and Purpose of amendments: References to the Illinois Compiled Statutes are being added. In Section 255.60, Experimental Permits are currently issued for two year periods and are for containment processes or techniques that do not satisfy the requirements of this Part. These amendments allow an experimental permit to be issued for periods up to five years after the containment processes or techniques have been in place for at least four years. This allows for the retention of the "experimental" designation but adjusts the permit period to be consistent

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with all other permits after the experimental design has shown success for four years.

- 16) Information and questions regarding this adopted amendment shall be directed to:

Debbie Wakefield  
Illinois Department of Agriculture  
State Fairgrounds  
Springfield, IL 62794-9281  
(217) 785-5713 FAX: (217) 785-4505

The full text of Adopted Amendments begins on the next page:

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TITLE 8: AGRICULTURE AND ANIMALS  
CHAPTER I: DEPARTMENT OF AGRICULTURE  
SUBCHAPTER 1: PESTICIDE CONTROL

PART 255  
AGRICHEMICAL FACILITIES

Section	Definitions
255.10	Definitions
255.20	Incorporation by Reference
255.30	Scope and Application
255.40	Registration
255.50	Permits and Compliance Schedules
255.60	Experimental Permits
255.70	Agrichemical Facility Plans, Specifications and Records
255.80	Secondary Containment
255.90	Operational Area Containment
255.100	Storage Containers and Appurtenances
255.110	Containment Management and Operations
255.120	Site Closures and Discontinuation of Operations
255.130	Inspection and Maintenance
255.140	Dry Fertilizer Storage and Handling
255.150	Dry Fertilizer Blending Operations
255.160	Connections to the Potable Water Supply
255.170	Open Burning

AUTHORITY: Implementing and authorized by the Illinois Pesticide Act [415 ILCS 60] and the Illinois Fertilizer Act of 1961 [505 ILCS 80].

SOURCE: Adopted at 13 Ill. Reg. 13532, effective January 1, 1990; emergency amendment at 15 Ill. Reg. 128, effective December 24, 1990, for a maximum of 150 days, emergency amendment expired on May 23, 1991; amended at 19 Ill. Reg. **6787**, effective **MAY 08 1995**.

Section 255.10 Definitions

Definitions for this Part can be located in Section 3 of the Illinois Fertilizer Act of 1961 [505 ILCS 80/3] and Section 4 of the Illinois Pesticide Act [415 ILCS 60/4]. The following definitions shall also apply to this Part:

"Agrichemicals" means pesticides or commercial fertilizers, at an agrichemical facility, but does not include anhydrous ammonia fertilizer material.

"Agrichemical facility" means a site used for commercial purposes, where bulk pesticides are stored in a single container in excess of 300 gallons of liquid pesticide or 300 pounds of dry pesticide for more than 30 days per year or where more than 300 gallons of liquid

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pesticide or 300 pounds of dry pesticide are being mixed, repackaged or transferred from one container to another within a 30-day period or a site where bulk fertilizers are stored, mixed, repackaged or transferred from one container to another.

"Alterations" means permanent changes in activities or processes at an agrichemical facility or changes in stored and handled product mix which do not modify the efficiency of containment structures or systems.

"Commercial" means buying and selling agrichemicals and agrichemical services for compensation.

"Groundwater" means groundwater as defined in the Illinois Groundwater Protection Act [415 ILCS 11-1/2-Par--7493] [415 ILCS 55].

"Load or loading" means the transfer of formulated pesticide at agrichemical facilities from facility storage to application equipment resulting in use dilutions or the transfer of bulk pesticides to field nursing transportation equipment or the transfer of liquid fertilizer or dry fertilizer at facilities from facility storage to application equipment and field nursing transportation equipment.

"Mini-bulk container" means a portable container which is designed for transportation and has a capacity of not less than 100 gallons nor more than 660 gallons.

"Modification" means changes in structures, processes or activities at an agrichemical facility which alter the efficiency of containment structures or systems, i.e., changes in capacity.

"New" means an agrichemical facility or non-commercial agrichemical facility not in existence at the time of adoption of this Part or which undergoes modification where the fixed capital cost of construction exceeds 50% of the fixed capital cost of a comparable entirely new facility and such modification occurs within a two-year period.

"Non-commercial agrichemical facility" means a site, including the land and structures and equipment fixed thereon, designed and used for each of the following activities:

storing pesticides or fertilizer for more than 45 consecutive days in a single container holding in excess of:

300 gallons bulk liquid pesticides; or



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300 pounds bulk dry pesticides; or  
 5000 gallons bulk liquid commercial fertilizer; or  
 50,000 pounds bulk dry commercial fertilizer.

loading and mixing, including bulk repackaging, of pesticides or fertilizer at a permanent site for more than a 45 day period in quantities in excess of:

300 gallons bulk liquid pesticides; or  
 300 pounds bulk dry pesticides; or  
 5000 gallons bulk liquid commercial fertilizer; or  
 50,000 pounds bulk dry commercial fertilizer.

the non-commercial application of pesticides or fertilizer.

"Non-Mobile" means not readily capable of moving or being moved from place to place.

"Operational activity" means loading, unloading, and mixing of agricultural and or the cleaning of transportation or application equipment at agricultural facilities.

"Operational area" means an area or areas at the agricultural facility where agricultural are loaded, unloaded, mixed, repackaged, or where agricultural are cleaned and washed from application, storage or transportation equipment.

"Operational area containment structure or system" means any structure or system used to intercept, prevent runoff or leaching, and contain spills and residues containing agricultural from operational activities such as loading, unloading, mixing, and equipment washing and rinsing.

"Reportable Agricultural Spill" means an uncontrolled release outside an operational area containment or secondary containment structure involving more than 25 gallons of unrecovered liquid fertilizer or 100 pounds of unrecovered dry fertilizer or 5 pounds of unrecovered liquid or unrecovered dry active ingredient equivalent of pesticides except for reportable substances it means when the amount spilled equals or exceeds the RQ for those chemical substances.

"Reportable quantity" or "(RQ)" means a quantity that equals or exceeds the reportable quantity for substances listed in the Appendix to 49

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CFR 172.101. (1988) or in Appendix A of 40 CFR 355 (1988).

"Reportable substance" means any substance listed in the Appendix to 49 CFR 172.101 (1988) or in Appendix A of 40 CFR 355 (1988).

"Secondary containment structure" means any structure or basin used to contain agricultural spills and prevent runoff or leaching from bulk agricultural containers.

"Unload or unloading" means the transfer at agricultural facilities of formulated pesticide in an unaltered state from the transport vehicle into facility storage or the transfer of bulk commercial fertilizer in an unaltered state from the transport vehicle into facility storage.

(Source: Amended 19 Ill. Reg. 67 87, effective MAY 08 1995)

## Section 255.50 Permits and Compliance Schedule

- a) An Agricultural Facility Permit ("Permit") issued by the Department shall be obtained for each existing and new agricultural facility. Permit applications shall be submitted on forms provided by the Department. The application shall be accompanied by engineering plans and specifications for any construction or modification to be accomplished pursuant to the Permit. Such plans and specifications shall be prepared by an Illinois Professional Engineer when required by the provisions of the Illinois Professional Engineering Practice Act ~~(1997-Stat--1997-CH--117-par-501-et-seq)~~ [225 ILCS 325]. A Permit shall be obtained before the commencement of any construction necessary to meet the earliest compliance date, as determined by the applicable subsection(s) below. A Permit must be amended before the commencement of any modification to the facility. A Permit amendment shall not be required for alterations at the facility. A Permit will be transferred to a new owner or operator upon written notification by the permittee to the Department. Permits shall be renewed every 5 years.
- b) An application for a Permit submitted by a corporation shall be signed by a principal executive officer of at least the level of vice president, or a duly authorized representative who is responsible for the overall operation of the agricultural facility described in the application. In the case of a partnership or a sole proprietorship, the application shall be signed by a general partner or the proprietor respectively. In the case of a publicly owned agricultural facility, the application shall be signed by either a principal executive officer, ranking official or a duly authorized employee.
- c) The Department shall issue a Permit within 90 days after receipt of the application, provided the documents accompanying the application indicate that the agricultural facility will be in compliance with

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Sections 255.80, 255.90, 255.100, 255.140, 255.150, and 255.160, as applicable, and the Environmental Protection Act (~~415 ILCS 5~~ ~~1987-CH-111-1-27-PAR-1001-ET-SEQ-1~~ [415 ILCS 5]). In addition to completed application forms, documents which must be submitted include a location area map, detailed plot plan of the facility, water system protection schematic diagram, narrative description of operational and management practice plan, detailed engineering plans and specifications, process flow diagram for dry fertilizer facilities and any additional information the applicant or Department deem necessary to fully describe the project. The Department shall allow an innovative design to satisfy the structural requirements of this Part if the application for a Permit is accompanied by a registered professional engineer's statement certifying that the design shall provide protection to the environment equivalent to that of this Part. All engineering costs shall be the responsibility of the person making the request. A Permit issued "with conditions" means that the facility is deficient in some area in order to meet full compliance with the beforestated rules. A Permit with conditions would be issued if the operation of the facility during the period of time that the facility owner was correcting the deficiency does not jeopardize the environment. If the Department fails to grant or deny the Permit as requested or issue with conditions within 90 days from the date of receipt of the application, the applicant may deem the Permit granted for a one year period commencing on the 91st day after the application was received. If the application for a Permit is denied, the Department shall notify the applicant in writing as to why the permit was denied.

- d) An agrichemical facility which is registered pursuant to Section 255.40(b)(1) shall meet the following compliance schedule:

Item	Compliance Date
Submittal of all plans and specifications required for permit approval	Two years after adoption date
Compliance with Section 255.80 (except as provided in subsection (h))	Three years after adoption date for bulk pesticides and four years for liquid fertilizers
Compliance with Section 255.90	Five years after adoption date

- e) An agrichemical facility which is registered pursuant to Section 255.40(b)(2) shall meet the following schedule:

Item	Compliance Date
------	-----------------

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Submittal of all plans and specifications required for Permit approval

Two years after adoption date

Compliance with Section 255.90

Three years after adoption date

Compliance with Section 255.80

Four years after adoption date

f) An agrichemical facility which is registered pursuant to Section 255.40(b)(3) or which fails to register under Section 255.40 shall meet the following compliance schedule:

Item	Compliance Date
Submittal of all plans and specifications required for Permit approval	One year after adoption date
Compliance with Section 255.90	Two years after adoption date
Compliance with Section 255.80 (except as provided in subsection (h))	Three years after adoption date for bulk pesticides and 4 years for liquid fertilizers
g) An agrichemical facility which is registered pursuant to both Section 255.40(b)(1) and Section 255.40(b)(2) shall meet the following compliance schedule:	

Item	Compliance Date
Submittal of all plans and specifications required for Permit approval	Three years after adoption date
Compliance with Section 255.80 and Section 255.90	Five years after adoption date

- h) An agrichemical facility which is registered pursuant to Section 255.40(b)(4) shall be in compliance with Section 255.80 with respect to its liquid fertilizer storage tanks with capacity of 100,000 gallons or more in accordance with the following schedule:

Item	Compliance Date
Notify Department of intent to take tank out of service or to comply with Section 255.80	Four years after adoption date



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Submittal of all plans and specifications required for approval of amended permit

Compliance with Section 255.80 Seven and 1/2 years after adoption date

- i) An agricultural facility which is registered pursuant to Section 255.40(b)(5) shall be in compliance with Section 255.140 within five years of the adoption date.
- j) An agricultural facility which is registered pursuant to Section 255.40(b)(6) shall be in compliance with Section 255.150 within five years of the adoption date.
- k) All non-commercial agricultural facilities shall be in compliance with all of this Part within five years of the adoption date.
- l) Nothing in this Part shall require the loading of pesticide into anhydrous ammonia nurse tanks to be accomplished within an operational area containment structure, provided that a closed transfer system is used.

(Source: Amended at 19 Ill. Reg. 6787, effective MAY 08 1995)

Section 255.60 Experimental Permits

- a) To best aid the improvement of agricultural containment technology, the Department shall issue Experimental Permits for containment processes or techniques that do not satisfy the requirements of this Part, provided the applicant provides proof (i.e., quality control, quality assurance, and supportive analytical data) that the process or technique has a reasonably substantial chance for success (i.e., the quality control for the experimental design will indicate if there is any malfunction).
- b) A valid Experimental Permit shall constitute a prima facie defense to any action brought against the permit holder for a violation of the Rules of this Part, but only to the extent that such action is based upon the failure of the process or technique.
- c) Initially, all Experimental Permits shall have a duration not to exceed two years. Experimental Permits which have been renewed at least once and have thus been in effect for at least 4 years may be renewed for periods of no greater than 5 years.
- d) Application for renewal of an Experimental Permit shall be submitted to the Department at least 90 days prior to the expiration of the existing permit. To the extent the information to be supplied for renewal is identical with that contained in the prior permit application, the applicant shall so note on the renewal application, and the Department shall not require the resubmission of data and information submitted with the original application.

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(Source: Amended at 19 Ill. Reg. 6787, effective MAY 08 1995)

Section 255.110 Containment Management and Operations

- a) Precipitation and accumulation shall never exceed a level that would impair the holding capacity of the secondary or operational area containment. Such precipitation accumulation should be removed from the secondary and operational area containment systems after each storm.

1) Precipitation accumulation containing agricultural chemicals shall be used as provided in Section 255.110(e) or disposed of as provided in Section 255.110(g).

2) Precipitation accumulation from containment structures shall not be discharged from the containment area as surface runoff during the agricultural application season, except when the following conditions are met:

- A) The containment structures have been cleaned and rinsed of agricultural chemicals in compliance with Section 255.110(b) and (c).
- B) The discharge shall not cause water quality violations pursuant to 35 Ill. Adm. Code, Subtitle C, or a pesticide release pursuant to the Environmental Protection Act. ~~Rev. Stat. 1987, ch. 111-1/2, par. 1081 et seq.~~ [15 ILCS 5].

b) Agricultural spills into secondary containment structures shall be recovered promptly and the structures washed to remove agricultural contamination.

c) Operational area containment shall be promptly cleaned and rinsed after any agricultural spill or leakage. The operational area containment shall also be cleaned and rinsed immediately after the termination of each agricultural application season. These facilities shall be washed with a biodegradable cleanser, triple rinsed with a high pressure hose and all standing water shall be removed. Proper cleaning of the operational area containment shall include removal, washing and rinsing of material from the operational area, mud, pits, sump pits and all interconnected pipes or structures.

d) Discharge or spills of agricultural chemicals, agricultural mixtures, rinsates and wash waters outside of secondary or operational area containment shall be immediately contained, material recovered to extent possible, and the area cleaned. Reportable agricultural spills shall be reported immediately by telephone to the Illinois Emergency Services and Disaster Agency any time during the day or night by calling 1-800-782-7860 or 1-217-782-7860.

e) Agricultural, agricultural residues, rinsates, and agricultural contamination wash water recovered from the secondary and operational containment facilities shall be field applied at agronomic rates, used in a liquid mixing operation, or otherwise recycled or disposed of in accordance with these rules. Any pesticide laden residues, rinsates,

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and pesticide contaminated wash water that are to be land applied shall be handled in accordance with the products' labels. Field application of diluted pesticide solutions is an acceptable use if the total annual application amounts of the pesticide do not exceed the pesticide label application rates. Rinates and pesticide contaminated wash water may be used to make up the total spray mixture if the mixture does not exceed the pesticide label application rates. Field washing of exterior surfaces of agricultural application equipment is acceptable at the site of the agricultural application provided no runoff from the site occurs.

- f) Field washing of exterior surfaces of agricultural application equipment is acceptable at the site of the agricultural application provided no runoff from the site occurs.
- g) Agrichemicals, agrichemical residues, rinsates, and agrichemical contaminated wash water shall not be disposed through storm sewers, sanitary sewer systems, public or private sewage treatment facilities or wells, waters of the State, nor to land, except as provided in Section 255.110(e) and (f).
- h) Agrichemicals and agrichemical mixtures which cannot be used in accordance with the respective product's label or as set forth in this Section shall be disposed of as a special waste or hazardous waste as authorized by the Environmental Protection Act (1991-Rev--Stat--1997 ch--111-127-par--1001-et-seq-) [415 ILCS 5] and the rules adopted under that Act (35 Ill. Adm. Code 724 and 725 and 809).
- i) Empty pesticide containers shall be stored in the operational containment area or an area protected from contact with precipitation prior to disposal and such containers shall be triple rinsed or comparably cleaned (e.g., rinsed with pressure hose). Such containers shall be disposed of in accordance with the Environmental Protection Act (1991-Rev--Stat--1987 ch--111-127-par--1001-et-seq-) [415 ILCS 5] and the rules adopted under that Act (35 Ill. Adm. Code 724 and 725).
- j) Spray application vehicles that are not cleaned as provided in Section 255.110(f) shall be parked in the operational containment area or protected from precipitation. Agricultural aircraft are not covered by this provision.
- k) Dry fertilizer application equipment with covered hoppers may be field cleaned by brushing the working end of the equipment to remove the fertilizer or cleaned as provided in Section 255.110(f) or protected from precipitation.
- (Source: Amended at 19 Ill. Reg. **6787**, effective **MAY 08 1995**)
- on 255.170 Open Burning
- a) No person shall cause or allow open burning of agricultural containers or other agricultural related wastes at an agricultural facility or a non-commercial agricultural facility, except as provided in this Section.
- Any burning of agricultural containers or other agricultural related

(Source: Amended at 19 Ill. Reg. 6787, effective MAY 08 1995)

## Section 255.170 Open Burning

- a) No person shall cause or allow open burning of agricultural containers or other agricultural related wastes at an agricultural facility or a non-commercial agricultural facility, except as provided in this Section.
- b) Any burning of agricultural containers or other agricultural related

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wastes at an agricultural facility or a non-commercial agricultural facility located 1,000 feet or less from a residential or other populated area shall be performed with an incinerator that is in compliance with the Illinois Environmental Protection Act ~~(625 ILCS 240/1-1)~~.  
~~State~~~~-1987-Ch-~~~~111-127-Pa-~~~~1091-S-~~~~Sec-~~~~1~~ and rules adopted under that Act ~~(625 Ill. Adm. Code 201.1)~~.

- c) The open burning of combustible agricultural containers is permissible at the field where the chemicals are applied, provided the following conditions are met:
- 1) Containers holding liquid agricultural formulations have been triple rinsed;
  - 2) Containers holding dry or solid formulations have been emptied to the extent feasible;
  - 3) Atmospheric conditions will readily dissipate the contaminants;
  - 4) The burning does not create a visibility hazard on roadways, railroad tracks or air fields;
  - 5) The burning occurs more than 1,000 feet from residential or other populated area;
  - 6) It can be shown that it is the most efficient disposal method available, based upon factors including, but not limited to, cost, location, and type of waste;
  - 7) The burning does not cause air pollution as defined in the Illinois Environmental Protection Act; and
  - 8) The area where the burning occurs is not subject to State or local restrictions.
- d) Until January 1, 1995, the open burning of combustible agricultural containers is permissible at an agricultural facility provided the following conditions are met:
- 1) Containers holding liquid agricultural formulations have been triple rinsed;
  - 2) Containers holding dry or solid formulations have been emptied to the extent feasible;
  - 3) Each burning event shall be limited to 40 items (e.g., bags, cartons, plastic jugs) or less;
  - 4) Atmospheric conditions will readily dissipate the contaminants;
  - 5) The burning does not create a visibility hazard on roadways, railroad tracks or air fields;
  - 6) The burning occurs more than 1,000 feet from residential or other populated area;
  - 7) It can be shown that it is the most efficient disposal method available, based upon factors including, but not limited to, cost, location, and type of waste;
  - 8) The burning does not cause air pollution as defined in Sections 3.02 and 9 of the Illinois Environmental Protection Act (415 ILCS 1003-02 and 1003-09).
- Revised 10-1-1997, Chapter 112, Paragraphs 1003-02 and 1003-09, 5/1/02 and 9/1/02
- 9) The area where the burning occurs is not subject to State or local restrictions; and



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- 10) Ashes and other residues resulting from the open burning shall be protected against contact by precipitation and disposed of in accordance with the Environmental Protection Act (415 ILCS 5) and the rules adopted under that Act (35 Ill. Adm. Code 807).

(Source: Amended at 19 Ill. Reg. **6787**, effective  
**MAY 08 1995**)

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- 1) Heading of the Part: Lawncare Wash Water and Rinsate Collection
- 2) Code Citation: 8 Ill. Adm. Code 256
- 3) Section Numbers: Adopted Action:  
256.30 Amended  
256.50 Amended  
256.70 Amended
- 4) Statutory Authority: Illinois Lawncare Products Application and Notice Act [415 ILCS 65]
- 5) Effective Date of amendments: May 8, 1995
- 6) Does this rulemaking contain an automatic repeal date? No
- 7) Does this proposed amendment contain incorporations by reference? No
- 8) Date Filed in Agency's Principal Office: May 5, 1995
- 9) Notices of Proposal Published in Illinois Register: 19 Ill. Reg. 13, January 6, 1995
- 10) Has JCAR issued a Statement of Objections to these rules? No
- 11) Differences between proposal and final version: None
- 12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? N/A
- 13) Will this amendment replace an emergency amendment in effect? No
- 14) Are there any amendments pending on this Part? No
- 15) Summary and Purpose of amendments: References to the Illinois Compiled Statutes are being added. In Section 256.50, Experimental Permits are currently issued for two year periods and are for containment processes or techniques that do not satisfy the requirements of this Part. These amendments allow an experimental permit to be issued for periods up to five years after the containment processes or techniques have been in place for at least four years. This allows for the retention of the "experimental" designation but adjusts the permit period to be consistent with all other permits after the experimental design has shown success for four years.
- 16) Information and questions regarding this adopted amendment shall be directed to:

## DEPARTMENT OF AGRICULTURE

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Name: Debbie Wakefield  
 Address: Illinois Department of Agriculture  
 State Fairgrounds  
 Springfield, Illinois 62794-9281  
 Telephone: 217/785-5713 FAX: 217/785-4505

The full text of Adopted Amendments begins on the next page:

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TITLE 8: AGRICULTURE AND ANIMALS  
 CHAPTER I: DEPARTMENT OF AGRICULTURE  
 SUBCHAPTER 1: PESTICIDE CONTROL

## PART 256

## LAWNCARE WASH WATER AND RINSATE COLLECTION

Section	Definitions
256.10	Definitions
256.20	Scope and Application
256.30	Permits
256.40	General Class Permits
256.50	Experimental Permits
256.60	Special Permits
256.70	Wash Water Containment Area Management and Operations
256.80	Site Closures and Discontinuation of Operations
256.90	Connections to the Water Supply

AUTHORITY: Implementing and authorized by the Illinois Lawncare Products Application and Notice Act [415 ILCS 65].

SOURCE: Adopted at 17 Ill. Reg. 2189, effective February 9, 1993; amended at 19 Ill. Reg. 6800, effective MAY 08 1995.

## Section 256.30 Permits

- a) A lawncare containment permit (either general class, experimental, or special) issued by the Department shall be obtained for each existing and new wash water containment area as defined by the Act. Permit applications shall be submitted on forms provided by the Department. A permit shall be obtained prior to the commencement of any construction necessary to meet the requirements to the Act or these rules. When required by the provisions of the Illinois Professional Engineering Practice Act [225 ILCS 325], all engineering plans and specifications accompanying the application for the wash water containment area shall be prepared by an Illinois Professional Engineer. A permit shall be amended before the commencement of any modification of the wash water containment area. Alterations to the wash water containment area may be done without permit amendment. A facility owner or operator may contact the Department for determinations regarding proposed alterations versus modifications. A permit shall be transferred to a new owner or operator upon written notification by the permittee to the Department. Permits shall be renewed every 5 years.
- b) An application for a permit submitted by a corporation shall be signed by a principal executive officer of at least the level of the vice president, or a duly authorized representative who is responsible for the overall operation of the wash water containment area described in



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the application. In the case of a partnership or a sole proprietorship, the application shall be signed by a general partner or the proprietor respectively. In the case of a publicly owned wash water containment area, the application shall be signed by either a principal executive officer, ranking official or a duly authorized employee.

c) The wash water containment area shall be constructed of impervious materials as required by the Act and shall be compatible with the materials applied by the application device. Synthetic materials or liners may be used for wash water and rinsate collection containment structures provided they are compatible with the pesticide(s) being contained and it is installed according to the manufacturer's written directions. The structure shall be repaired and maintained according to the manufacturer's recommendations. These directions and recommendations shall become permanent records to be maintained at the facility site. A written confirmation of compatibility and a written estimate of life expectancy from the manufacturer shall also be kept on file at the facility.

d) The Department shall allow an innovative design to satisfy the structural requirements of this Part if the application for a permit is accompanied with a registered professional engineer's statement certifying that the design shall provide protection to the environment equivalent to that of this Part. All engineering costs shall be the responsibility of the person making the request. A permit issued "with condition(s)" means that the facility is deficient in some area in order to meet full compliance with the before stated rules. A permit with condition(s) would be issued if the operation of the facility during the period of time that the facility owner was correcting the deficiency does not jeopardize the environment. If the Department fails to grant or deny the permit as requested or issue with condition(s) within 90 days from the date of receipt of the application, the applicant may deem the permit granted for a one year period commencing on the 91st day after the application was received. If the application for a permit is denied, the Department shall notify the applicant in writing as to why the permit was denied.

(Source: Amended at 19 Ill. Reg. 6800, effective MAY 08 1995)

## Section 256.50 Experimental Permits

a) To facilitate the improvement of containment technology, the Department shall issue Experimental permits for wash water containment areas that do not satisfy the requirements of this Part, provided the applicant provides proof (i.e., quality control, quality assurance, and supportive analytical data) that the process or technique has a reasonably substantial chance for success (i.e., the quality control for the experimental design will indicate if there is any

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malfunction).

b) The Department shall issue a permit within 90 days after receipt of the application, provided the documents accompanying the application indicate that the wash water containment area shall be in compliance with the provisions of the Act and these rules. In addition to completed application forms, the submittal for an experimental permit shall include the following documents:

- 1) a location area map,
- 2) detailed plot plan of the facility,
- 3) water supply protection schematic flow diagram,
- 4) detailed engineering plans and specifications,
- 5) operations and management practices plan, and
- 6) any additional information the applicant or Department deems necessary to fully describe the project.

c) A valid Experimental permit shall constitute a prima facie defense to any action brought against the permit holder for a violation of the Rule of this Part, but only to the extent that such action is based upon the failure of the process or technique.

d) ~~At-~~ Initially, all Experimental permits shall have a duration not to exceed two years. Experimental permits which have been renewed at least once and have thus been in effect for at least 4 years may be renewed for periods of no greater than 5 years.

e) Application for renewal of an Experimental permit shall be submitted to the Department at least 90 days prior to the expiration of the existing permit. To the extent the information to be supplied for renewal is identical with that contained in the prior permit application, the applicant shall so note on the renewal application, and the Department shall not require the submittal of data and information submitted with the original application.

(Source: Amended at 19 Ill. Reg. 6800, effective MAY 08 1995)

## Section 256.70 Wash Water Containment Area Management and Operations

a) Precipitation and accumulation shall never exceed a level that would impair the holding capacity of the wash water containment area. Such precipitation accumulation shall be removed from the wash water containment area after each storm and shall be field applied at agronomic rates, used in a liquid mixing operation, or otherwise recycled or disposed of in accordance with these rules. Precipitation accumulation from wash water containment areas shall not be discharged from the containment area as surface runoff during the application season, except when the containment structure has been cleaned and rinsed of pesticides in compliance with subsection (b) below, and the discharge shall not cause either water quality violations pursuant to 35 Ill. Adm. Code, Subtitle C or a pesticide release pursuant to the Environmental Protection Act (411-Rev-Stat--1991-7-ch-111-127-par-

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- 1001-ee-sect-7 [415 ILCS 5]. Any pesticide laden residues, rinsates, and pesticide contaminated wash water that are to be land applied shall be handled in accordance with the products' labels. Field application of diluted pesticide solutions is an acceptable use if the total annual application amounts of the pesticide do not exceed the pesticide label application rates. Rinsates and pesticide contaminated wash water may be used to make up the total spray mixture if the mixture does not exceed the pesticide label application rates. Pesticide, pesticide residues, rinsates, and pesticide contaminated wash water shall not be disposed of through storm sewers, sanitary sewer systems, public or private sewage treatment facilities or wells, waters of the State, nor to land, except as provided in this Section.
- b) Pesticide spills into wash water containment areas shall be recovered promptly and the structure washed to remove pesticide contamination. Proper cleaning shall include removal, washing and rinsing of material from the area, mud pits, sump pits and all interconnected pipes of structures. These wash water containment areas shall be washed with a biodegradable cleanser, triple rinsed with a high pressure hose and all standing water removed and disposed of as provided in subsection (a) above.
- c) Field washing of exterior surfaces of pesticide application equipment is acceptable at the site of the pesticide application provided no runoff from the site occurs.
- d) Spray application vehicles and equipment that are not cleaned shall be parked in the wash water containment area or otherwise protected from precipitation so as to prevent the release of pesticide residues to the environment.

(Source: Amended at 19 Ill. Reg. **6800**, effective  
**MAY 08 1995**)

## DEPARTMENT OF INSURANCE

## NOTICE OF ADOPTED RULES

- 1) Heading of the Part: Tax Allocation
- 2) Code Citation: 50 Ill. Adm. Code 942
- 3) Section Number: Adopted Action:
- |        |             |
|--------|-------------|
| 942.10 | New Section |
| 942.20 | New Section |
| 942.30 | New Section |
| 942.40 | New Section |
| 942.50 | New Section |
- 4) Statutory Authority: Implementing and authorized by Section 3.1(n) of the Illinois Insurance Code [215 ILCS 5/3.1(n), as amended by P.A. 88-535, effective January 26, 1994].
- 5) Effective Date of this Rule: May 8, 1995
- 6) Does this Rule contain an automatic repeal date? No.
- 7) Does this Rule contain incorporations by reference? No.
- 8) Date filed in Agency's Principal Office: May 8, 1995
- 9) Notice of Proposal Published in Illinois Register: December 2, 1994, 18 Ill. Reg. 17068
- 10) Has JCAR issued a Statement of Objections to this Rule? No.
- 11) Difference(s) between proposal and final version:
- Within the Section table of contents, change "Credit or Loss Notification" to "Settlements".
  - Within the main Authority note, change "Section 5/3.1(n)" to "Section 3.1(n)". Also add ", as amended by P.A. 88-535, effective January 26, 1994]" following the statutory citation.
  - Section 942.10, delete the comma following "implements" and change "Section 5/3.1(n)" to "Section 3.1(n)".
  - Section 942.30(a), on the first line delete "federal". Also on the second to the last line, change "days of approval" to "days after approval". Also change "days of the" to "days after the".
  - Section 942.30(b) on the fourth line, change "[215 ILCS 131.1(b)]" to "[215 ILCS 5/131.1(b)]".
  - Section 942.30(b) on the seventh line delete "federal".
  - Section 942.30(b) four lines up from the bottom, change "Corporation" to "corporation".
  - Section 942.30(b) on the second to the last line delete "federal" and



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NOTICE OF ADOPTED RULES

- "with the IRS".
- "Settlements".
- i. Section 942.40, change "Credit or Loss Notifications" to "Settlements".
- j. Section 942.40 on the first line, delete "credit or loss".
- k. Section 942.40, on the second line change "days of filing" to "days after filing".
- l. Section 942.40, on the third line delete "federal" and "with the IRS".
- m. Section 942.40 on the third line delete "estimated or".
- n. Section 942.40 on the sixth line, change "of such determination" to "after receipt of such refund".
- o. Section 942.40 on the eighth line change "day of receipt" to "days after receipt".
- p. Section 942.50 on the first line, change "All methods of tax allocation" to "Any tax allocations".
- q. Section 942.50 on the second line, change "allocated" to "made".
- r. Section 942.50 on the last line add "or on any other basis allowable pursuant to the Internal Revenue Code (26 USCS 1552)" following "basis".

12) Have all changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? No. In the attached Second Notice Changes document prepared by JCAR, number two (2) the Department did not agree to make this change.

Pursuant to page 2.4(e) of the Secretary of State's Illinois Administrative Code Style Manual (1991) the Department's main Authority note is in compliance with the publication requirements for both content and format.

13) Will this Rule replace an emergency rule currently in effect? No.

14) Are there any amendments pending on this Part? No.

15) Summary and Purpose of rulemaking: This rule is being promulgated to implement P.A. 88-535, effective January 1, 1994. This rule will allow insurers to show a credit or loss pursuant to a tax allocation agreement.

16) Information and questions regarding this adopted Rule shall be directed to:

Jim Hanson  
Department of Insurance  
320 West Washington  
Springfield, Illinois 62767-0001  
217/782-6284

The full text of the Adopted Rule begins on the next page.

DEPARTMENT OF INSURANCE  
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TITLE 50: INSURANCE  
CHAPTER 1: DEPARTMENT OF INSURANCE  
SUBCHAPTER 1: PROVISIONS APPLICABLE TO ALL COMPANIES

PART 942  
TAX ALLOCATION

Section 942.10	Authority
942.20	Purpose
942.30	Applicability
942.40	Settlements
942.50	Tax Allocation Methods

AUTHORITY: Implementing and authorized by Section 3.1(n) of the Illinois Insurance Code [215 ILCS 5/3.1(n)], as amended by P.A. 88-535, effective January 26, 1994].

SOURCE: Adopted at 19 Ill. Reg. 6806, effective MAY 08 1995.

Section 942.10 Authority

This Part implements and is authorized by Section 3.1(n) of the Illinois Insurance Code [215 ILCS 5/3.1(n)].

Section 942.20 Purpose

The purpose of this Part is to allow credit or loss settlements to be taken by a licensed insurer when there is a tax allocation agreement.

Section 942.30 Applicability

- a) Every insurer that is a party to a consolidated corporate income tax filing shall have a written agreement governing its participation therein approved by the insurer's Board of Directors. The agreement, in addition to all amendments and terminations thereto, shall be filed with the Director within thirty (30) days after approval or within sixty (60) days after the effective date of this Part.
- b) The ultimate holding corporation, any intermediate corporation which owns a controlling interest, as that term is defined in Section 131.1(b) of the Illinois Insurance Code [215 ILCS 5/131.1(b)], in the stock of the insurer, and the insurer itself shall be parties to, but need not necessarily participate in, the consolidated corporate income tax agreement. In the case of an alien owned insurer, the ultimate United States corporation, on whose behalf the consolidated corporate income tax return is filed, may be substituted for the ultimate

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holding corporation.

**Section 942.40 Settlements**

Any settlement resulting under the agreement shall be made within thirty (30) days after filing the actual consolidated corporate income tax return. Any settlements that result from revised or amended returns shall be made within thirty (30) days after receipt of such refund. In the case where a refund is due the parent, the parent may defer payment to the insurer within thirty (30) days after receipt of such refund. All settlements shall be in cash or securities eligible as investments pursuant to Section 125.14a through 125.14a of the Illinois Insurance Code [215 ILCS 5/125a through 125.14a] for such insurer, at market value.

**Section 942.50 Tax Allocation Methods**

Any tax allocations, including penalties, interest, etc., shall be made between affiliates as if it would have been done on a separate return basis or on any other basis allowable pursuant to the Internal Revenue Code (26 USCS 1552).

## DEPARTMENT OF THE LOTTERY

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1) Heading of the Part: Lottery (General)

2) Code Citation: 11 Ill. Adm. Code 1770

3) Section Numbers: Adopted Action:

1770.10 Amended  
1770.60 Amended  
1770.170 Amended  
1770.190 Amended  
1770.200 Amended

4) Statutory Authority: Implementing Sections 7.1 and 7.2, and authorized by Section 7.1, of the Illinois Lottery Law [20 ILCS 1505/7.1 and 7.2] and Executive Order 86-2, effective July 1, 1986.

5) Effective Date of Amendments: May 8, 1995

6) Does this rulemaking contain an automatic repeal date? No

7) Does this Amendment contain incorporations by reference? No

8) Date filed in Agency's principal office? May 1, 1995

9) Notice of Proposal Published in Illinois Register: 19 Ill. Reg. 791, January 27, 1995

10) Has JCAR issued a Statement of Objections to this Rule? No

11) Difference(s) between proposal and final version:

1. In the authority note, deleted the Illinois Revised Statutes citation.
2. In Section 1770.10, deleted the Illinois Revised Statutes citation, and deleted "/1" from the Illinois Compiled Statutes citation, in the definition of "Act".
3. In Section 1770.170(d), corrected the spelling of "several" in line 2 and deleted a repetition of the phrase "corresponding to those drawn in the several games" in lines 4 and 5.
4. In Section 1770.190(h), added the phrase "unless otherwise provided in game rules" in line 14.

12) Have all the changes agreed upon by the agency and JCAR been made as indicated in the agreement letter issued by JCAR? No changes were requested by JCAR.

13) Will this rule replace an emergency rule currently in effect? No



DEPARTMENT OF THE LOTTERY

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TITLE 11: ALCOHOL, HORSE RACING, AND LOTTERY  
SUBTITLE C: LOTTERY

CHAPTER II: DEPARTMENT OF THE LOTTERY

PART 1770  
LOTTERY (GENERAL)

Section  
1770.10  
1770.20  
1770.30  
1770.40  
1770.50  
1770.60  
1770.70  
1770.80  
1770.90  
1770.100  
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1770.140  
1770.150  
1770.160  
1770.170  
1770.180  
1770.190  
1770.200  
1770.210

Definitions  
Selection of Lottery Sales Agents; License Application and Fee;  
On-Line Status  
Special Licenses  
License Revocation Without Prior Notice  
License Revocation, Suspension or Denial With Prior Notice  
Conditions of Licensing  
License to be Displayed  
Change of Name, Ownership, or Form of Business Organization  
Delinquent Financial Obligations  
Bonding of Agents  
License Expiration and Renewal  
Agent Financial Adjustments  
Lost, Stolen, and Damaged Winning Tickets and other Discrepancies  
Sales by Department Directly  
Lottery Tickets  
Lottery Games  
Drawings  
Prize Payment, Claiming of Prizes and Transfers to Common School Fund  
Eligibility to Buy  
Sale of Promotional Items

AUTHORITY: Implementing and authorized by Sections 7.1 and 7.2 of the Illinois Lottery Law [20 ILCS 1605/7.1 and 7.2] and Executive Order 86-2, effective July 1, 1986.

SOURCE: Filed by the Lottery Control Board July 11, 1974; amended at 2 Ill. Reg. 17, p. 130, effective April 1, 1978; amended at 4 Ill. Reg. 15, p. 201, effective March 30, 1980; codified as 11 Ill. Adm. Code 1670 at 5 Ill. Reg. 10713; transferred from 11 Ill. Adm. Code 1670 (Lottery Control Board) to 11 Ill. Adm. Code 1770 (Department of the Lottery) pursuant to Executive Order 86-2, effective July 1, 1986, at 11 Ill. Reg. 1582; Part repealed, new Part adopted at 13 Ill. Reg. 7908, effective May 16, 1989; amended at 17 Ill. Reg. 18816, effective October 19, 1993; amended at 18 Ill. Reg. 13439, effective August 23, 1994; amended at 19 Ill. Reg. 6810, effective

MAY 0 8 1995

Section 1770.10 Definitions

14) Are there any amendments pending on this Part? No

15) Summary and purpose of amendments: These amendments reflect legislation creating new business structures in Illinois and lowering the threshold for prize payments made by the Lottery at check writing centers; allow the Lottery to react more quickly to changing technology and market forces by conforming play options for on-line Lottery games to those available for instant games, providing for computerized random selection of winners, and establishing all prize structures through game rules; clarify certain play restrictions; and correct typographical errors.

16) Information and questions regarding these adopted amendments should be directed to:

Lisa A. Crites, Rules Coordinator  
Illinois Department of the Lottery  
201 East Madison Street  
Springfield, Illinois 62702  
217/524-5253

The full text of the amendments begins on the next page:

## DEPARTMENT OF THE LOTTERY

## NOTICE OF ADOPTED AMENDMENTS

Terms defined in the Act have the same meanings when used in this Part. The following words and terms when used in this Part shall have the following meanings, unless the context clearly indicates otherwise:

"Act" means the Illinois Lottery Law, (1991-Rev.-Stat.-19917-CH7--1207 par--1151-et-seq-) (20 ILCS 1605/1) as amended.

"Agent" or "Sales Agent" or "Distributor" means a person and his representative who has been licensed to distribute and/or sell lottery tickets under Sections 9.d, 10 and 10.1 of the Act.

"Applicant" means a person who has applied to the Director for a license to sell lottery tickets to the public.

"Board" means the Lottery Control Board as established by Section 6 of the Act.

"Chairman" means the Chairman of the Lottery Control Board.

"Department" means the Illinois Department of the Lottery.

"Director" means the Director of the Department of Lottery.

"Employee of the Department" means an employee of the Department of the Lottery.

"Game" means any individual or particular type of lottery authorized by the Department.

"License" means a license, issued by the Director pursuant to Section 9 of the Act, under the authority of the Act, for an agent to sell lottery tickets to the public. Licenses shall be effective for an initial period of two years from the date issued by the Department's Licensing Unit. Each license thereafter approved for renewal by the Department will be renewed for a two-year term dated from the date of expiration of the initial or last prior renewal term, as may be appropriate.

"Licensed Agent" or "Lottery Sales Agent" or "Licensed Sales Agent" means a person permitted by a license issued by the Director under the authority of Sections 9.d, 10 and 10.1 of the Act to sell Illinois State Lottery tickets to the public, by an across-the-counter transaction at a specified Point of Sale at a specifically licensed location.

"Lottery" or "State Lottery" means the Lottery established and operated pursuant to the Act.

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"On-line status" means the ability of an agent to sell computer-generated Lottery game tickets or shares through a terminal connected to a Lottery central system.

"Person" shall be construed to mean and include an individual, association, partnership, corporation, limited liability company or partnership, club, trust, estate, society, company, joint stock company, receiver, trustee, referee, or any other person acting in a fiduciary or representative capacity, who is appointed by a court, or any other combination of individuals. "Person" includes any department, commission, agency or instrumentality of the State, including the Department of the Lottery, and also including any county, city, village, or township and any agency and instrumentality thereof.

"Point of Sale" means the physical location where a licensed agent is authorized to conduct the sale of lottery tickets to the public.

"Prize" means any award, financial or otherwise, awarded to a ticket holder pursuant to the rules of the lottery.

"Related terminal" means any player activated machine or any agent operated terminal in which an owner of an agent location has 50% or greater interest.

"Secretary" means the Secretary of the Lottery Control Board.

"Special License" means a license issued by the Director limited in geographic scope and/or duration of validity, pursuant to Section 1770.30 of this Part.

"State Lottery Fund" means the special fund created in the State Treasury by Section 20 of the Act, in which all revenues received by the State Lottery, as defined and limited by Section 20 of the Act, are deposited.

"Ticket" means a lottery ticket or share issued by the Department for sale to the general public.

(Source: Amended at 19 Ill. Reg. 68101, effective MAY 08 1995)

## Section 1770.60 Conditions of Licensing

Lottery sales licenses are subject to the following conditions of licensing:

- a) The lottery sales license issued by the Department shall be issued to a person, as defined by Section 1770.10, for a specified point of sale, as defined by Section 1770.10, on the condition that the



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licensed sales agent maintains eligibility under the applicable criteria under which the license was granted by the Director, as defined in Section 1770.20;

- b) Licensees shall, at all times during the term of licensure, comply with the Act and any rules, instructions of the Director concerning the security of lottery equipment, tickets or money;
- c) Each licensed agent shall make available for sale to the public, during its normal business hours, those Illinois State Lottery ticket products which the agent has been licensed to sell. No agent shall offer for sale any gambling or gaming tickets or chances other than those for which the agent is specifically licensed by the Illinois Department of the Lottery or other department, board or commission of the State of Illinois;
- d) No license issued pursuant to the Act shall be transferable or assignable;
- e) Lottery sales licenses and placards stating game play odds for Lottery games shall be displayed in a conspicuous place on the business premises where the lottery tickets are licensed to be sold;
- f) Lottery licensees shall actively promote the sale of Illinois State Lottery tickets;
- g) Licensees shall maintain authorized displays, drop boxes, equipment and properly display other promotional materials used in conjunction with sales in accordance with instructions issued by the Department. Each licensee will be held responsible for all tickets accepted from the Department or its distribution agents, by licensee, its agents or employees. All unsold tickets and receipts from sales, less commissions from such sales and less such sums as have been paid by licensees to winners of prizes in the manner prescribed by directives of the Department, shall be returned to the Department or its distribution agents by the stated settlement deadlines. Tickets not returned by settlement deadlines shall be considered to have been purchased by the agent;
- h) Each agent shall maintain current and accurate records of all operations in conjunction with sales in conformity with rules, of the Department. Such records shall be made available to representatives of the Department and the Auditor General of Illinois;
- i) No person shall sell a ticket or share at a price greater or less than that fixed by rule of the Department, provided, the Department may enter into ticket couponing and ticket discount couponing promotions in support of marketing activities. No "service" charge, "handling fee" or other cost shall be added by any person to the established price of a ticket or share. No person shall charge a fee to redeem valid winning tickets or shares;
- j) No license as an agent to sell lottery tickets or shares shall be issued to any person to engage in business exclusively as a lottery sales agent;
- k) No person other than a lottery sales agent shall sell lottery tickets;
- l) Licensed agents shall sell lottery tickets on a face-to-face or

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authorized dispensing machine basis only on the business premises designated in the license, and shall not conduct sales to off-premises customers by telephone, mail, parcel delivery service, or through an agent-sponsored vehicle such as a club, players' association, or similar entity;

- m) No lottery ticket shall be sold to a person under the age of 18 years;
- n) Each licensee shall hold the Department and the State of Illinois harmless with respect to any liability arising in connection with agent ticket sales activities;
- o) Each licensee shall immediately report to the Department the loss or theft of any lottery tickets consigned to the licensee, with the ticket identification numbers;
- p) Each licensee shall redeem all winning instant game tickets presented to the licensee for prizes of less than \$600. Each on-line agent shall redeem all winning tickets of any Lottery games presented to the licensee for prizes of less ~~that~~ than \$600;
- q) No license shall be granted to any applicant whose prior license has been revoked pursuant to these rules, when the effective date of revocation has been less than two years prior to the date of the current application;
- r) No licensed agent shall sell lottery tickets or shares issued by any governmental entity, foreign or domestic, other than tickets and shares for games operated by Illinois State Lottery;
- s) All lottery proceeds are funds of the State of Illinois, must be separately segregated from other business or personal funds, must be held in trust on behalf of the Illinois Lottery, and the agent must, under penalty of law, maintain a separate bank account exclusively for deposit and transfer of weekly lottery fund settlements by means of an Electronic Fund Transfer system. The account must be designated on the bank's records as "Lottery Trust Fund Account."

(Source: Amended at 19 Ill. Reg. 6810, effective MAY 08 1995)

## Section 1770.170 Lottery Games

- a) The Director may authorize instant ticket games in which winners are determined by matching certain of the numbers, letters, characters, words or devices as provided by the rules of the game. Instant game rules may also provide for preliminary and grand prize drawings. Preliminary drawings will be conducted at the Lottery Central Offices to determine semifinalists for Grand Prize drawings. Preliminary drawings will be from those tickets or shares eligible for entry into the preliminary drawing and submitted to the Department as part of the preliminary drawing pool in such manner and by such deadline as may be provided by departmental directive. Preliminary drawings shall be open to the public and notice of such drawings shall be posted in the State of Illinois Center in the City of Chicago and the Department's

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Central offices in the City of Springfield, Illinois, at least five days prior to such drawing. Grand prize drawings shall be conducted pursuant to the rules of the game, and copies of written procedures to be followed at Grand Prize drawings will be furnished each finalist prior to a drawing.

b) The Department may offer passive lottery games wherein tickets bear pre-assigned numbers or words. Winners in such games shall be determined either by the results of future events or by publicly held drawings wherein randomly drawn numbers are selected and tickets with numbers matching those drawn shall entitle the ticket holder to the prize indicated on the ticket and in accordance with the prize structure established by the game rules.

c) The Department may offer computer operated games where players are permitted to purchase tickets bearing player-selected numbers, letters, characters, words or devices or computer selected numbers, letters, characters, words or devices, as provided by the rules of the game. For drawings which are regularly scheduled in accordance with game rules. With respect to such games, the Director shall conduct drawings using air-driven or gravity selection equipment (including but not limited to, devices utilizing air-driven ball selection, gravity mixing chamber ball selection, spinning wheel and ball selection or similar equipment, and utilizing either hollow or solid balls appropriate to the type of equipment utilized), or utilizing a computerized random selection program. In the case of drawings conducted using air-driven or gravity selection equipment, drawings shall be by random selection in the presence of a certified public accountant who will monitor the integrity of the drawing procedure. For any game utilizing computerized random selection, the selection program will be subject to a software acceptance test by the Department prior to implementation.

d) Players holding tickets with numbers, letters, characters, words or devices corresponding to those drawn in the several games, or which in combination with those drawn meet the criteria for prize award set forth in game rules, corresponding to those drawn in the several games shall be entitled to prizes in the amounts set forth in game rules to be established by the Director, provided that:

1) Prizes awarded in connection with the games commonly known as "lotto" or "little lotto" or any variation thereon by any name otherwise designated shall be awarded as follows:

A) Grand prizes for the game known as "lotto" shall be determined by the Director prior to each drawing based upon an estimate of ticket sales and securities prices, and the grand prize paid shall not exceed the amount so determined;

B) Grand prizes for the game known as "little lotto" shall be determined by the Director prior to each drawing based on an estimate of ticket sales and the grand prize paid shall not exceed the amount so determined;

C) Second and third prizes for lotto and little lotto shall be

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awarded on the basis of the prize pool available in accordance with the prize structure established by game rules.

2) For prizes awarded in connection with pari-mutuel games offered by the Department, the prize pool for each level of prize offered per drawing will be expressed as a percentage of total ticket sales for the drawing, unless guaranteed at a higher amount determined by the Director.

(Source: Amended at 19 Ill. Reg. 6810, effective MAY 08 1995)

Section 1770.190 Prize Payment, Claiming of Prizes and Transfers to Common School Fund

a) The prize structure may vary with each game and will be established at the beginning of the game by the Director. The prize structure, odds of winning, the manner in which winners are determined, the claim period for the game and various procedural matters will be set forth in game rules and play instructions.

b) Claims for all prizes as designated in game rules and directives issued by the Department and in the amount of less than \$600 may be claimed by presenting winning tickets to Lottery sales agents, within such agent claim periods as may be established by the Director in game rules for the various games. Agents shall pay such prizes directly from Lottery ticket sales funds on hand, or when instructed by the Department, by filing the winning tickets and claim forms with the Department. Claims presented for payment at agent locations after the agent claim period established in game rules shall be presented to any Department office for payment. When a claim is presented to any agent for payment, the claimant shall present the ticket to the agent, complete the name and address portions on the reverse of the ticket and show identification. The agent, after following verification procedures which establish that the ticket is a winning ticket for the drawing date on the ticket and examining the ticket for alteration, shall pay the claimant or his or her authorized representative directly.

c) Prizes of \$600 up to \$25,000 may be paid by Lottery regional or administrative offices, subject to established claim periods and validation tests. All claims for prizes of more than \$25,000, as well as claims for lesser prizes not paid by Lottery regional offices, administrative offices or by an agent pursuant to subsection (b) of this Section, must be paid centrally by the Department. Claimants may obtain claim forms from any lottery on-line ticket sales agent, any departmental regional office, or the Department's administrative offices in Chicago or Springfield, Illinois. When initiating a claim at any of the aforesaid offices, a claimant shall present proof of identification and the winning ticket. The agent or Department



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employee, as applicable, will assist the claimant in filling out the claim form which will be signed by the agent or employee and by the claimant or his or her authorized representative. The claimant or authorized representative will receive a copy of the claim form as a receipt. The winning ticket and a copy of the claim form will be sent to the Department's central offices in Springfield, Illinois, for verification. When the ticket is verified as a winning ticket, the prize, or first installment thereof in the case of installment awards will be mailed to the claimant.

d) Prizes of less than \$600 claimed by multiple winners playing as partners or as a group, with common ownership of a winning ticket at the time of the prize drawing, shall be claimed in the individual name of one of the partners or members of the group. Payment of any claim filed on behalf of such an individual group member shall be in the same manner as if filed on behalf of a single claimant.

e) Prizes of \$600 up to \$1,000,000 claimed by multiple winners playing as partners or as a group, with common ownership of a winning ticket at the time of the prize drawing, may be claimed in the individual name of one of the partners or members of the group. Any claim filed on behalf of such an individual group member shall be filed in the same manner as if filed on behalf of a single claimant, but must be accompanied by a form 5754 setting forth the names, addresses, social security numbers and prize shares of all other persons entitled to a share of the prize. The Department will process a voucher payable to each individual listed on the form 5754, dividing the winnings equally, or as otherwise designated on the form 5754. The Department will then process payment vouchers to the office of the Comptroller for preparation of warrants and end of year income tax withholding documents. Claim and payment may be made in a partnership name only if the partnership furnishes a Federal Employer's Identification Number (FEIN).

f) Prize payment warrants for prizes in the amount of \$1,000,000 or more claimed by multiple winners playing as partners or as a group, with common ownership of a winning ticket at the time of the prize drawing, will be made out to a partnership as a single payee, or to each of the individual partners or members, as requested in writing by the winners and provided that each individual's gross annual payment will equal or exceed \$5,000. Partnership claims shall include the name, address and Federal Employer's Identification Number of the partnership, the ticket and claim form must be signed by one of the general partners on behalf of the partnership, and the claim form must be accompanied by a form 5754 setting forth the names, addresses, social security numbers and prize shares of each partner. Prior to payment, the partnership must submit a written partnership agreement evidencing, at a minimum, that an oral agreement for group play existed prior to the purchase of the winning lottery ticket. The partnership agreement shall be subject to review by the Department's legal staff, and may not contain provisions contrary to law. Where separate checks have been

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requested, the partnership must additionally furnish payment instructions for each partner. Upon approval, the Department will then process separate vouchers for payment of the proportionate share due each of the several claimants.

g) Lottery clubs, charitable organizations, corporations, partnerships and other "artificial" persons shall be eligible to purchase lottery tickets. However, with respect to awards of prizes for life, such "artificial" persons shall be entitled to the minimum guaranteed prize.

h) Except as provided herein, for the game commonly known as "Lotto" the Department and the State Treasurer will invest sufficient funds to purchase federal securities equal to the Grand Prize amount, less 1/20th of that amount to be paid in cash at the time of the prize claim (the balance of the prize to be paid in nineteen annual installments). The Grand Prize will be divided by the number of Grand Prize winners to determine the prize amount per winner. If the number of Grand Prize winners is greater than the number of millions of dollars in the advertised Grand Prize, the cash available will be divided by the number of winners and paid in a single lump sum. The amount of lower tier prizes will be determined by dividing each of the prize pools by the number of winners for each respective prize level, and rounding each prize payment down to the nearest fifty cents, unless otherwise provided in game rules.

1) Payment of prize installments due with respect to a prize due a winner whose death occurs prior to payment of the final installment may be accelerated. Any prize, or portion thereof remaining unpaid at the death of a winner, may be paid to the estate of such deceased prize winner, or to the designated trustee under a revocable living trust established by the deceased prize winner, as settlor, provided that a copy of such trust has been filed with the Department, along with a notarized letter of direction from the settlor, and no written notice of revocation has been received by the Department prior to the settlor's death. Following such a settlor's death and prior to any payment to such a successor trustee, the Director shall obtain from the trustee and each trust beneficiary a written agreement to indemnify and hold the Department harmless with respect to any claims that may be asserted against the Department arising from payment to, or through the trust.

2) At the election of the estate or successor trustee, the estate or trustee may have the option to request, within six months from the date of death, that the annuity or equivalent investment securities procured by the Department for purposes of generating annual installment prize payments be liquidated at current market value and paid over to the personal representative of the estate or beneficiary successor trustee, as appropriate. Upon receipt of notice of election to liquidate the remaining prize, if the prize payment has been structured through purchase of an annuity



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and the annuity contract permits early liquidation, the Department shall promptly notify the annuity company and request that the annuity be liquidated and the commuted (check) value be paid to the personal representative or successor trustee. If the Department has procured investment securities to generate income for satisfaction of future prize installments, the Department, as soon as practicable after such notification, and without jeopardy to the common investment position of securities purchased in connection with payment of future installments to other winners of Grand Prizes from the same drawing date as decedent, shall offer such securities for market sale and shall pay the personal representative or successor trustee the proceeds of sales attributable to decedent's prize. Prior to such distribution, the Department shall deduct from the proceeds of sales such sum as may be required to absorb from the share of the party requesting liquidation, any penalties or losses incidental to sale, and to restore the investment position of securities purchased with respect to any other same-date winners to the position held prior to liquidation. The balance of the proceeds of sale attributable to decedent's prize shall be distributed. Prior to authorizing accelerated liquidation of any prize, the Department shall obtain from each personal representative or successor trustee requesting such liquidation a complete release of any further liability of the Department for further payment with respect to the decedent's prize upon liquidation as provided herein, and the Department in liquidating the investment vehicle for any such prize shall be discharged of any further liability with respect to such prize beyond the amount actually realized through liquidation. Any election pursuant to this subsection must be in writing and shall be irrevocable.

i) Cash prizes must be claimed within a claim period set by Departmental directive and the game rules establishing claim periods for the respective games offered by the Department. Unclaimed prize money shall be retained by the Director for the person entitled thereto, for the claim period after the date of the drawing in which the prize is won, as established by game rule. Thereafter, said unclaimed prize funds will be managed as provided in statute.

j) Winning tickets which provide entry into a Preliminary Grand Prize drawing for any instant game must be filed with the Department by the deadline established in the game rules. Entry tickets filed after the Preliminary Grand Prize qualification drawing for the game with respect to which the tickets were sold will be entered into the Preliminary Grand Prize Drawing pool for the next game drawing subsequent to filing of such tickets, provided that no such ticket will be eligible for entry into a subsequent drawing unless filed with the Department, within 120 days of the announced end of the game for which the ticket was originally sold, provided, however, that the Director may establish lesser claim periods for specific games by

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directive and game rule.  
k) For prizes in excess of \$10,000, a winner must identify his or her place of employment, if any, to ensure the winner is not prohibited from lottery play by the Act or these rules. For partnership claims, each partner must furnish employment information.

l) The net revenues accruing from the sale of lottery tickets shall be determined by deducting from total revenues the payments of prizes to holders of winning tickets and payment of costs incurred in the operation and administration of the Department. The Department may transfer income in excess of current operating needs to the Common School Fund.

(Source: Amended at 19 Ill. Reg. 6810, effective MAY 08 1995)

## Section 1770.200 Eligibility to Buy

No ticket shall be purchased by, and no prize shall be paid to any of the following persons:

- a) Any member of the Board or any officer or other person employed by the Board or by the Department; also any employees of any TV station from which lottery drawings originate who are directly involved in the production of drawing telecasts, including floor director camera operators, stage hands, character generator operators, air control technicians, announcer and performer for each telecast; the employees of any advertising agency, public relations agency or any consultant employed by the Department who are directly involved in a Lottery engagement; and further those employees, of audit firms, performing on site contractual audit services with respect to Department's operations. In the event the Director determines that purchases of tickets by employees of any vendor of goods or services to the Department or Board may jeopardize the security or integrity of the Lottery, the Director will provide by rule or by contract with the vendor that no ticket shall be purchased by, and no prize shall be paid to any, officer or
- b) Any spouse, child, brother, sister or parent residing as a member of the same household in the principal place of residence of any person designated in subsection (a) of this Section.

(Source: Amended At 19 Ill. Reg. 6810, effective MAY 08 1995)

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1) Heading of the Part: Definitions and General Provisions

2) The Code Citation: 35 Ill. Adm. Code 211

3) Section Number: Adopted Action:

211.240	New
211.474	New
211.495	New
211.560	New
211.660	New
211.670	Amended
211.680	New
211.685	New
211.820	New
211.980	New
211.1780	New
211.1875	New
211.1880	New
211.1900	New
211.2290	New
211.2360	New
211.2365	New
211.2630	New
211.2850	Amended
211.3915	New
211.3960	New
211.3965	New
211.4055	New
211.4065	New
211.4740	New
211.5010	New
211.5061	New
211.5065	New
211.5080	New
211.5090	Amended
211.5430	New
211.5600	New
211.5980	New
211.6060	New
211.6140	New
211.6145	New
211.6400	New
211.6540	New
211.6580	New
211.6620	New
211.6695	New
211.6720	New

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211.6860	New
211.6880	New
211.7400	New

4) Statutory Authority: 415 ILCS 5/27

5) Effective Date of Rule(s) (Amendments, Repealer): May 9, 1995

6) Does this rulemaking contain an automatic repeal date? No

7) Does this rule (amendment, repealer) contain incorporation by reference?  
No

8) Date Filed in Agency's Principal Office: April 20, 1995

9) Notice(s) of Proposal Published in Illinois Register:

18 Ill. Reg. 15192, October 14, 1994:

211.660	New
211.670	Amended
211.680	New
211.820	New
211.980	New
211.1780	New
211.1880	New
211.1900	New
211.2290	New
211.2360	New
211.2365	New
211.2630	New
211.4055	New
211.4740	New
211.5065	New
211.5480	New
211.5600	New
211.6060	New
211.6140	New
211.6400	New
211.6580	New
211.6880	New
211.7400	New

18 Ill. Reg. 17071, December 2, 1994:

211.474	New
211.560	New
211.2850	Amended
211.4065	New
211.5980	New

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18 Ill. Reg. 17355, December 9, 1994:

New  
211.240  
New  
211.495  
New  
211.685  
New  
211.1875  
New  
211.3915  
New  
211.3960  
New  
211.3965  
New  
211.5010  
New  
211.5061  
New  
211.5080  
New  
211.5090  
Amended  
211.6145  
New  
211.6540  
New  
211.6620  
New  
211.6695  
New  
211.6720  
New  
211.6860  
New

10) Has JCAR issued a Statement of Objections to this (these) Rule(s)? No

11) Difference(s) between proposal and final version:

After the Source note add: BOARD NOTE: This Part implements the Environmental Protection Act as of July 1, 1994.

The following changes should be made from the proposal which was published at 18 Ill. Reg. 17071, on December 2, 1994:

In the Table of Contents, the following changes should be made:

- a) Section 211.470 should be above Section 211.474.
  - b) In Section 211.550, replace "As Applied" with "As-Applied".
  - c) In Section 211.1130, replace "Purged" with "Purge".
  - d) The Table of Contents should list "211.1920 Emergency or Standby Unit".
  - e) In Section 211.2850, replace "Heatset-Web-Offset" with "Heatset web Offset".
  - f) Section 211.5340 should be after Section 211.5330.
- In Section 211.456, change "Sections" to "35 Ill. Adm. Code".
- In Section 211.474 replace "218.410" with "218.411" twice.

In Section 211.560, delete the comma after "As-applied fountain solution".

In Section 211.2850, delete the comma after "Heatset web offset lithographic printing line".

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In Section 211.4065, delete the comma after "Non-heatset".

In Section 211.5980, delete the comma after "Sheet-fed".

The following changes were made from the proposal which was published at 18 Ill. Reg. 17355, December 9, 1994:

In the Table of Contents, the following changed Section 211.7050 "Vapor-Suppressed" to "Vapor Suppressed".

In Section 211.5090(b), changed "imperfections" to "imperfections".

12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes

13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No

14) Are there any amendments pending on this Part? Yes

Section Numbers:	Proposed Action:	Ill. Reg. Citation:
211.695	New Section	18 Ill. Reg. 17071, December 16, 1994
211.696	New Section	18 Ill. Reg. 17071, December 16, 1994
211.5245	New Section	18 Ill. Reg. 17071, December 16, 1994
211.7150	Amendment	19 Ill. Reg. 6430, May 12, 1995

15) Summary and Purpose of Rule(s): A complete description of this Section 28.5 fast-track rulemaking is included in the Board's April 20, 1995 opinion and order in docket R94-21, which is available from the address below. Specifically, the additional sections are proposed to coincide with amendments to 35 Ill. Adm. Code 218 and 219. Sections 211.660, 211.820, 211.1880, 211.1900, 211.2360, 211.2630, 211.4055, 211.4740, 211.5480, 211.5600, 211.6060, 211.6140, 211.6400, 211.6580 and 211.6880 are proposed to coincide with the proposed regulations for automotive/transportation and business machine plastic parts coatings. Sections 211.980, 211.1780, 211.2365 and 211.5060 are proposed to coincide with the proposed regulations for synthetic organic chemical distillation and reactor processes. Sections 211.680, 211.2290 and 211.7400 are proposed to coincide with the proposed regulations for bakery ovens.

The rulemaking published at 18 Ill. Reg. 17071 on December 2, 1994 represent Part VI of the rules to be adopted in the State's 150 ROP. Definitions are proposed to coincide with the new regulations for control of volatile organic compound emissions from lithographic printing. A



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TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE B: AIR POLLUTION  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS  
FOR STATIONARY SOURCES

PART 211  
DEFINITIONS AND GENERAL PROVISIONS  
SUBPART A: GENERAL PROVISIONS  
Incorporations by Reference  
Abbreviations and Conversion Factors  
SUBPART B: DEFINITIONS

Section  
211.101  
211.102

Section  
211.121  
211.122  
211.130  
211.150  
211.170  
211.210  
211.230  
211.240  
211.250  
211.270  
211.290  
211.310  
211.330  
211.350  
211.370  
211.390  
211.410  
211.430  
211.450  
211.470  
211.474  
211.490  
211.495  
211.510  
211.530  
211.550  
211.560  
211.570  
211.590  
211.610

Other Definitions  
Definitions (Repealed)  
Accelacota  
Accumulator  
Acid Gases  
Actual Heat Input  
Adhesive  
Adhesion Promoter  
Aeration  
Aerosol Can Filling Line  
Afterburner  
Air Contaminant  
Air Dried Coatings  
Air Oxidation Process  
Air Pollutant  
Air Pollution  
Air Pollution Control Equipment  
Air Pollution Coater/Dryer  
Air Suspension Coater/Dryer  
Airless Spray  
Air Assisted Airless Spray  
Alcohol  
Annual Grain Through-Put  
Anti-Glare/Safety Coating  
Application Area  
Architectural Coating  
As Applied  
As-Applied Fountain Solution  
Asphalt  
Asphalt Prime Coat  
Automobile

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complete description of this Section 28.5 fast-track rulemaking is included in the Board's April 20, 1995 opinion and order in docket R94-31, which is available from the address below.

The rulemaking published in 18 Ill. Reg. 17355 on December 9, 1994 represents Part VI of the rules to be adopted in the State's 15<sup>th</sup> ROP. This rulemaking requires all motor vehicle refinishing operations located in the Chicago and Metro-East ozone nonattainment areas to: comply with the specified VOM content limitations for coatings and surface preparation materials, use specified coating applicators and coating applicator cleaning equipment, comply with recordkeeping and reporting requirements, and register annually with the Agency. This rulemaking also provides for a control equipment alternative. A complete description of this Section 28.5 fast-track rulemaking is included in the Board's April 20, 1995 opinion and order in docket R94-32 which is available from the address below.

16) Information and questions regarding this adopted rule shall be directed to:

Marie E. Tipsord (312)814-4925  
Audrey Lozuk-Lawless (312)814-6923 or (815)753-0947  
Kevin Desharnais (312)814-6926  
100 W. Randolph Street  
State of Illinois Center  
Suite 11-500  
Chicago, IL 60601

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address above. Please refer to the Docket number R94-21, R94-31, and R94-32 in your request.

The full text of the adopted rule(s) begins on the following page:

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211.630	Automobile or Light-Duty Truck Assembly Source or Automobile or
211.650	Light-Duty Truck Manufacturing Plant
211.660	Automobile or Light-Duty Truck Refinishing
211.670	Automotive/Transportation Plastic Parts
211.680	Baked Coatings
211.685	Bakery Oven
211.690	Basecoat/Clearcoat System
211.710	Batch Loading
211.730	Bead-Dipping
211.750	Binders
211.770	British Thermal Unit
211.790	Brush or Wipe Coating
211.810	Bulk Gasoline Plant
211.820	Bulk Gasoline Terminal
211.830	Business Machine Plastic Parts
211.850	Can
211.870	Can Coating Line
211.890	Capture
211.910	Capture Device
211.930	Capture Efficiency
211.950	Capture System
211.970	Certified Investigation
211.980	Chemical Manufacturing Process Unit
211.990	Choke Loading
211.1010	Clean Air Act
211.1050	Cleaning and Separating Operation
211.1070	Cleaning Materials
211.1090	Clear Coating
211.1110	Clear Topcoat
211.1130	Closed Purge System
211.1150	Closed Vent System
211.1170	Coal Refuse
211.1190	Coating
211.1210	Coating Applicator
211.1230	Coating Line
211.1250	Coating Plant
211.1270	Coil Coating
211.1290	Coil Coating Line
211.1310	Cold Cleaning
211.1330	Complete Combustion
211.1350	Component
211.1370	Concrete Curing Compounds
211.1390	Concentrated Nitric Acid Manufacturing Process
211.1410	Condensate
211.1430	Condensible PM-10
211.1470	Continuous Process
211.1490	Control Device

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211.1510	Control Device Efficiency	Frequency(EMI/RFI Shielding
211.1530	Conventional Soybean Crushing Source	
211.1550	Conveyorized Degreasing	
211.1570	Crude Oil	
211.1590	Crude Oil Gathering	
211.1610	Crushing	
211.1630	Custody Transfer	
211.1650	Cutback Asphalt	
211.1670	Daily-Weighted Average VOM Content	
211.1690	Day	
211.1710	Degreaser	
211.1730	Delivery Vessel	
211.1750	Dip Coating	
211.1770	Distillate Fuel Oil	
211.1780	Distillation Unit	
211.1790	Drum	
211.1810	Dry Cleaning Operation or Dry Cleaning Facility	
211.1830	Dump-Pit Area	
211.1850	Effective Grate Area	
211.1870	Effluent Water Separator	
211.1875	Elastomeric Materials	
211.1880	Electromagnetic Interference/Radio Frequency(EMI/RFI Shielding	
211.1890	Electrostatic Bell or Disc Spray	
211.1900	Electrostatic Prep Coat	
211.1910	Electrostatic Spray	
211.1920	Emergency or Standby Unit	
211.1930	Emission Rate	
211.1950	Emission Unit	
211.1970	Enamel	
211.1990	Enclose	
211.2010	End Sealing Compound Coat	
211.2030	Enhanced Under-the-Cup Fill	
211.2050	Ethanol Blend Gasoline	
211.2070	Excess Air	
211.2090	Excessive Release	
211.2110	Existing Grain-Drying Operation	
211.2130	Existing Grain-Handling Operation	
211.2150	Exterior Base Coat	
211.2170	Exterior End Coat	
211.2190	External Floating Roof	
211.2210	Extreme Performance Coating	
211.2230	Fabric Coating	
211.2250	Fabric Coating Line	
211.2270	Federally Enforceable Limitations and Conditions	
211.2290	Fermentation Time	
211.2300	Fill	
211.2310	Final Repair Coat	

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211.2330	Firebox
211.2350	Fixed-Roof Tank
211.2360	Flexible Coating
211.2365	Flexible Operation Unit
211.2370	Flexographic Printing
211.2390	Flexographic Printing Line
211.2410	Floating Roof
211.2430	Fountain Solution
211.2450	Freeboard Height
211.2470	Fuel Combustion Emission Unit or Fuel Combustion Emission Source
211.2490	Fugitive Particulate Matter
211.2510	Full Operating Flowrate
211.2530	Gas Service
211.2550	Gas/Gas Method
211.2570	Gasoline
211.2590	Gasoline Dispensing Operation or Gasoline Dispensing Facility
211.2610	Gel Coat
211.2630	Gloss Reducers
211.2650	Grain
211.2670	Grain-Drying Operation
211.2690	Grain-Handling and Conditioning Operation
211.2710	Grain-Handling Operation
211.2730	Green-Tire Spraying
211.2750	Green Tires
211.2770	Gross Heating Value
211.2790	Gross Vehicle Weight Rating
211.2810	Heated Airless Spray
211.2830	Heatset
211.2850	Heatset-Web-Offset Lithographic Printing Line
211.2870	Heavy Liquid
211.2890	Heavy Metals
211.2910	Heavy Off-Highway Vehicle Products
211.2930	Heavy Off-Highway Vehicle Products Coating
211.2950	Heavy Off-Highway Vehicle Products Coating Line
211.2970	High Temperature Aluminum Coating
211.2990	High Volume Low Pressure (HVLP) Spray
211.3010	Hood
211.3030	Hot Well
211.3050	Housekeeping Practices
211.3070	Incinerator
211.3090	Indirect Heat Transfer
211.3110	Ink
211.3130	In-Process Tank
211.3150	In-Situ Sampling Systems
211.3170	Interior Body Spray Coat
211.3190	Internal-Floating Roof
211.3210	Internal Transferring Area
211.3230	Lacquers

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211.3250	Large Appliance
211.3270	Large Appliance Coating
211.3290	Large Appliance Coating Line
211.3310	Light Liquid
211.3330	Light-Duty Truck
211.3350	Light Oil
211.3370	Liquid/Gas Method
211.3390	Liquid-Mounted Seal
211.3410	Liquid Service
211.3430	Liquids Dripping
211.3450	Lithographic Printing Line
211.3470	Load-Out Area
211.3480	Loading Event
211.3490	Low Solvent Coating
211.3500	Lubricating Oil
211.3510	Magnet Wire
211.3530	Magnet Wire Coating
211.3550	Magnet Wire Coating Line
211.3570	Major Dump Pit
211.3590	Major Metropolitan Area (MMA)
211.3610	Major Population Area (MPA)
211.3620	Manually Operated Equipment
211.3630	Manufacturing Process
211.3650	Marine Terminal
211.3660	Marine Vessel
211.3670	Material Recovery Section
211.3690	Maximum Theoretical Emissions
211.3695	Maximum True Vapor Pressure
211.3710	Metal Furniture
211.3730	Metal Furniture Coating
211.3750	Metal Furniture Coating Line
211.3770	Metallic Shoe-Type Seal
211.3790	Miscellaneous Fabricated Product Manufacturing Process
211.3810	Miscellaneous Formulation Manufacturing Process
211.3830	Miscellaneous Metal Parts and Products
211.3850	Miscellaneous Metal Parts and Products Coating
211.3870	Miscellaneous Metal Parts or Products Coating Line
211.3890	Miscellaneous Organic Chemical Manufacturing Process
211.3910	Mixing Operation
211.3915	Mobile Equipment
211.3930	Monitor
211.3950	Monomer
211.3960	Motor Vehicles
211.3965	Motor Vehicle Refinishing
211.3970	Multiple Package Coating
211.3990	New Grain-Drying Operation
211.4010	New Grain-Handling Operation
211.4030	No Detectable Volatile Organic Material Emissions



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211.4050	Non-Contact Process Water Cooling Tower
211.4055	Non-Flexible Coating
211.4065	Offset
211.4070	One Hundred Percent Acid
211.4090	One Hundred Percent Acid
211.4110	One-Turn Storage Space
211.4130	Opacity
211.4150	Opaque Stains
211.4170	Open Top Vapor Degreasing
211.4190	Open-Ended Valve
211.4210	Operator of a Gasoline Dispensing Operation or Operator of a Gasoline Dispensing Facility
211.4230	Organic Compound
211.4250	Organic Material and Organic Materials
211.4260	Organic Solvent
211.4270	Organic Vapor
211.4290	Oven
211.4310	Overall Control
211.4330	Overvarnish
211.4350	Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing Facility
211.4370	Owner or Operator
211.4390	Packaging Rotogravure Printing
211.4410	Packaging Rotogravure Printing Line
211.4430	Pail
211.4450	Paint Manufacturing Source or Paint Manufacturing Plant
211.4470	Paper Coating
211.4490	Paper Coating Line
211.4510	Particulate Matter
211.4530	Parts Per Million (Volume) or PPM (Vol)
211.4550	Person
211.4590	Petroleum
211.4610	Petroleum Liquid
211.4630	Petroleum Refinery
211.4650	Pharmaceutical
211.4670	Pharmaceutical Coating Operation
211.4690	Photochemically Reactive Material
211.4710	Pigmented Coatings
211.4730	Plant
211.4740	Plastic Part
211.4750	Plasticizers
211.4770	PM-10
211.4790	Pneumatic Rubber Tire Manufacture
211.4810	Polybasic Organic Acid Partial Oxidation Manufacturing Process
211.4830	Polyester Resin Material(s)
211.4850	Polyester Resin Products Manufacturing Process
211.4870	Polystyrene Plant
211.4890	Polystyrene Resin

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211.4910	Portable Grain-Handling Equipment
211.4930	Portland Cement Manufacturing Process Emission Source
211.4950	Portland Cement Process or Portland Cement Manufacturing Plant
211.4970	Potential to Emit
211.4990	Power Driven Fastener Coating
211.5010	Precast
211.5030	Pressure Release
211.5050	Pressure Tank
211.5060	Pressure/Vacuum Relief Valve
211.5061	Pretreatment Wash Primer
211.5065	Primary Product
211.5070	Prime Coat
211.5080	Primer Sealer
211.5090	Primer Surfacer Coat
211.5110	Primer Surfacer Operation
211.5130	Primers
211.5150	Printing
211.5170	Printing Line
211.5185	Process Emission Source
211.5190	Process Emission Unit
211.5210	Process Unit
211.5230	Process Unit Shutdown
211.5250	Process Weight Rate
211.5270	Production Equipment Exhaust System
211.5310	Publication Rotogravure Printing Line
211.5330	Purged Process Fluid
211.5340	Rated Heat Input Capacity
211.5350	Reactor
211.5370	Reasonably Available Control Technology (RACT)
211.5390	Reclamation System
211.5410	Refiner
211.5430	Refinery Fuel Gas
211.5450	Refinery Fuel Gas System
211.5470	Refinery Unit or Refinery Process Unit
211.5480	Reflective Argon Coating
211.5490	Refrigerated Condenser
211.5500	Regulated Air Pollutant
211.5510	Reid Vapor Pressure
211.5530	Repair
211.5550	Repair Coat
211.5570	Repaired
211.5590	Residual Fuel Oil
211.5600	Resist Coat
211.5610	Restricted Area
211.5630	Retail Outlet
211.5650	Ringelmann Chart
211.5670	Roadway
211.5690	Roll Coater

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211.5710	Roll Coating
211.5730	Roll Printer
211.5750	Roll Printing
211.5770	Rotogravure Printing
211.5790	Rotogravure Printing Line
211.5810	Safety Relief Valve
211.5830	Sandblasting
211.5850	Sanding Sealers
211.5870	Screening
211.5890	Sealer
211.5910	Semi-Transparent Stains
211.5930	Sensor
211.5950	Set of Safety Relief Valves
211.5970	Sheet Basecoat
211.5980	Sheet-Fed
211.5990	Shotblasting
211.6010	Side-Seam Spray Coat
211.6030	Smoke
211.6050	Smokeless Flare
211.6060	Soft Coat
211.6070	Solvent
211.6090	Solvent Cleaning
211.6110	Solvent Recovery System
211.6130	Source
211.6140	Specialty Coatings
211.6145	Specialty Coatings for Motor Vehicles
211.6150	Specialty High Gloss Catalyzed Coating
211.6170	Specialty Leather
211.6190	Specialty Soybean Crushing Source
211.6210	Splash Loading
211.6230	Stack
211.6250	Stain Coating
211.6270	Standard Conditions
211.6290	Standard Cubic Foot (scf)
211.6310	Start-Up
211.6330	Stationary Emission Source
211.6350	Stationary Emission Unit
211.6355	Stationary Gas Turbine
211.6360	Stationary Reciprocating Internal Combustion Engine
211.6370	Stationary Source
211.6390	Stationary Storage Tank
211.6400	Stencil Coat
211.6410	Storage Tank or Storage Vessel
211.6430	Styrene Devolatilizer Unit
211.6450	Styrene Recovery Unit
211.6470	Submerged Loading Pipe
211.6490	Substrate
211.6510	Sulfuric Acid Mist

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211.6530	Surface Condenser
211.6540	Surface Preparation Materials
211.6550	Synthetic Organic Chemical or Polymer Manufacturing Plant
211.6570	Tablet Coating Operation
211.6580	Texture Coat
211.6590	Thirty-Day Rolling Average
211.6610	Three-Piece Can
211.6620	Through-the-Valve Coating System
211.6630	Through-the-Valve Fill
211.6650	Tooling Resin
211.6670	Topcoat
211.6690	Topcoat Operation
211.6695	Topcoat System
211.6710	Touch-Up
211.6720	Touch-Up Coating
211.6730	Transfer Efficiency
211.6750	Tread End Cementing
211.6770	True Vapor Pressure
211.6790	Turnaround
211.6810	Two-Piece Can
211.6830	Under-the-Cup Fill
211.6850	Undertread Cementing
211.6860	Uniform Finish Blender
211.6870	Unregulated Safety Relief Valve
211.6880	Vacuum Metallizing
211.6890	Vacuum Producing System
211.6910	Vacuum Service
211.6930	Valves Not Externally Regulated
211.6950	Vapor Balance System
211.6970	Vapor Collection System
211.6990	Vapor Control System
211.7010	Vapor-Mounted Primary Seal
211.7030	Vapor Recovery System
211.7050	Vapor Suppressed Polyester Resin
211.7070	Vinyl Coating
211.7090	Vinyl Coating Line
211.7110	Volatile Organic Liquid (VOL)
211.7130	Volatile Organic Material Content (VOMC)
211.7150	Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)
211.7170	Volatile Petroleum Liquid
211.7190	Wash Coat
211.7210	Wastewater (Oil/Water) Separator
211.7230	Weak Nitric Acid Manufacturing Process
211.7250	Web
211.7270	Wholesale Purchase - Consumer
211.7290	Wood Furniture
211.7310	Wood Furniture Coating
211.7330	Wood Furniture Coating Line

East School Library

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211.7350 Woodworking  
211.7400 Yeast Percentage

APPENDIX A Rule into Section Table  
APPENDIX B Section into Rule Table

AUTHORITY: Implementing Sections 9, 9.1 and 10 and authorized by Sections 27 and 28.5 of the Environmental Protection Act (415 ILCS 5/9, 9.1, 10, 27 and 28.5).

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 Ill. Reg. 13590; amended in R82-1 (Docket A) at 10 Ill. Reg. 12624, effective July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 Ill. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 Ill. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15 Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16504, effective September 27, 1993; amended in R93-11 at 17 Ill. Reg. 21471, effective December 7, 1993; amended in R93-14 at 18 Ill. Reg. 1253, effective January 18, 1994; amended in R94-12 at 18 Ill. Reg. 14962, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15744, effective October 17, 1994; amended in R94-15 at 18 Ill. Reg. 16379, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16929, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6823, effective MAY 0 9 1995.

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

NOTE: In this Part, superscript numbers or letters are denoted by parentheses; subscript are denoted by brackets.

SUBPART B: DEFINITIONS

Section 211.240 Adhesion Promoter

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"Adhesion promoter" means a coating used to promote adhesion of a topcoat on surfaces such as trim moldings, door locks and door sills, where sanding is impractical.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)

Section 211.474 Alcohol

"Alcohol," for the purposes of 35 Ill. Adm. Code 218.405 through 218.411 and 219.405 through 219.411, means isopropyl alcohol, normal propyl alcohol, or ethanol used in a fountain solution in a lithographic printing operation.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)

Section 211.495 Anti-Glare/Safety Coating

"Anti-glare/safety coating" means a low gloss coating formulated to minimize glare for safety purposes on interior surfaces of a vehicle, as specified under the U.S. Department of Transportation Motor Vehicle Safety Standards.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)

Section 211.560 As-Applied Fountain Solution

"As-applied fountain solution" means the formulation of a fountain solution during application onto the image plate on a lithographic printing line, including any material added at the line before the application of the fountain solution.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)

Section 211.660 Automotive/Transportation Plastic Parts

"Automotive/transportation plastic parts" means the interior and exterior plastic components of automobiles, trucks, tractors, lawnmowers, and other like mobile equipment intended for primary use on land, with the exception of the following: plastic parts coated on the main (body) paint line in automobile and light duty truck assembly plants, and plastic parts coated during refinishing of automobiles, trucks, tractors, lawnmowers and other like mobile equipment.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)



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**Section 211.670 Baked Coatings**

"Baked coatings" means any coating which is cured or dried in an oven where the oven air temperature exceeds 90°C (194°F), or any coating which is cured in any manner that does not otherwise fit into the definition of "air dried coatings," as defined in Section 211.330 of this Part.

(Source: Amended at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.680 Bakery Oven**

"Bakery oven" means an oven used at any time for the purpose of baking yeast-leavened products, including, but not limited to, breads, rolls and buns.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.685 Basecoat/Clearcoat System**

"Basecoat/clearcoat system" means a topcoat system composed of a pigmented basecoat portion and a transparent clearcoat portion.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.820 Business Machine Plastic Parts**

"Business machine plastic parts" means the plastic housings and other exterior plastic components of electronic office equipment and of medical and musical equipment, including, but not limited to the following: computers, monitors, printers and keyboards, facsimile machines, copiers, microfiche readers, cellular and standard phones, and pencil sharpeners. This definition excludes internal electrical components of business machines.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.980 Chemical Manufacturing Process Unit**

"Chemical manufacturing process unit" means the equipment assembled and connected by pipes or ducts to process raw materials and to manufacture an intended product. For purposes of 35 Ill. Adm. Code 218.431 through 218.436, and 219.431 through 219.436, the chemical manufacturing process unit includes reactors and their associated product separators and recovery devices, distillation units and their associated distillate receivers, and recovery devices. A chemical manufacturing process unit includes, but is not limited to, any combination of pumps, compressors, agitators, pressure relief devices,

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sampling connection systems, open ended valves or lines, valves, connectors, instrumentation systems, and control devices or systems. A chemical manufacturing process unit is identified by its primary product, as defined in Section 211.5060 of this Part.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.1780 Distillation Unit**

"Distillation unit" means a device or vessel in which one or more feed streams are separated into two or more exit streams, each exit stream having component concentrations different from those in the feed stream(s). Separation is achieved by a redistribution of the components between the liquid and the vapor phases by vaporization and condensation as they approach equilibrium within the distillation unit. A distillation unit includes, but is not limited to, the distillate receiver, reboiler, vacuum pump, steam jet and any associated recovery system.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.1875 Elastomeric Materials**

"Elastomeric materials" means topcoats and primers that are specifically formulated for application over flexible parts such as filler panels and elastomeric bumpers.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.1880 Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Shielding Coatings**

"Electromagnetic interference/radio frequency interference (EMI/RFI) coatings" means coatings used on business machine plastic housings to attenuate electromagnetic and radio frequency interference signals that would otherwise pass through the plastic housing.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.1900 Electrostatic Prep Coat**

"Electrostatic prep coat" means a coating that is applied to a plastic part solely to provide conductivity for the subsequent application of a prime coat, a topcoat, or other coating through the use of electrostatic application methods. An electrostatic prep coat is clearly identified as an electrostatic

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prep coat on its accompanying material safety data sheet.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.2290 Fermentation Time

"Fermentation time" means the time elapsed between adding yeast to the dough and placing the product into the oven, expressed in hours to the nearest one-tenth hour.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.2360 Flexible Coating

"Flexible coating" means a paint with the ability to withstand dimensional changes.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.2365 Flexible Operation Unit

"Flexible operation unit" means a chemical manufacturing process unit that manufactures different chemical products periodically by alternating raw materials or operating conditions.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.2630 Gloss Reducers

"Gloss reducers" means a low-gloss coating formulated to eliminate glare for safety purposes on interior surfaces of a vehicle, as specified in the U.S. Department of Transportation Motor Vehicle Safety Standards.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.2850 Heatset-Web-Offset Lithographic Printing Line

"Heatset-web-offset lithographic printing line" means a lithographic printing line in which a blanket cylinder is used to transfer ink from a plate cylinder to a substrate continuously fed from a roll or an extension process and an oven is used to solidify the printing inks.

(Source: Amended at 19 Ill. Reg. 6823, effective \_\_\_\_\_)

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Section 211.3915 Mobile Equipment

"Mobile equipment" means any equipment which may be drawn or is capable of being driven on a roadway, other than motor vehicles, including, but not limited to truck or automobile trailers, farm machinery, construction equipment, street cleaners and golf carts.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.3960 Motor Vehicles

"Motor vehicles" means automobiles, trucks, vans, motorcycles, or buses.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.3965 Motor Vehicle Refinishing

"Motor vehicle refinishing" means any application of coatings to motor vehicles, mobile equipment, or their parts and components, which is subsequent to the original coating applied at an original equipment manufacturing plant.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.4055 Non-Flexible Coating

"Non-flexible coating" means a paint without the ability to withstand dimensional changes.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.4065 Non-Heatset

"Non-heatset" means a class of lithography which does not require a heated dryer to solidify the printing inks. Ultraviolet-cured and electron beam-cured inks are considered non-heatset.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

Section 211.4740 Plastic Part

"Plastic part" means a product, or piece of a product, made from a substance

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that has been formed from resin through the application of pressure or heat or both.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5010 Precoat**

"Precoat" means any coating which is applied to bare metal primarily to deactivate the metal surface for corrosion resistance to a subsequent water-base primer.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5061 Pretreatment Wash Primer**

"Pretreatment wash primer" means the first coating applied to bare metal if solventborne primers will be applied. This coating contains a minimum of 0.5 percent acid, by weight, is necessary to provide surface etching, and provides corrosion resistance and adhesion.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5065 Primary Product**

"Primary Product" means a product of a chemical manufacturing process unit that shall be determined according to the procedures specified as follows:

- a) If a chemical manufacturing process unit produces more than one intended chemical product, the product with the greatest annual design capacity on a mass basis determines the primary product of the process.
- b) If a chemical manufacturing process unit has two or more products that have the same maximum annual design capacity on a mass basis and if one of those chemicals is listed in Appendix A of 35 Ill. Adm. Code 218 or 219, then the listed chemical is considered the primary product. If more than one of the products is listed in 35 Ill. Adm. Code 218, Appendix A or 219, Appendix A, then the owner or operator may designate as the primary product any of the listed chemicals.
- c) For a chemical manufacturing process unit that is designed and operated as a flexible operation unit and is used predominantly to produce one or more of the listed chemicals in 35 Ill. Adm. Code 218, Appendix A or 219, Appendix A, the primary product shall be determined based on the expected utilization for the five years following promulgation for existing sources and based on the expected utilization for the first five years after initial start-up for new sources.

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- 1) If the flexible operation unit produces one product for the greatest annual operating time, then that product shall represent the primary product of the flexible operation unit.
- 2) If the flexible operation unit produces multiple chemicals equally based on operating time, then the product with the greatest annual production on a mass basis shall represent the primary product of the flexible operation unit.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5080 Primer Sealer**

"Primer sealer" means an undercoat that improves the adhesion of the topcoat, provides corrosion resistance, and promotes color uniformity.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5090 Primer Surfacer Coat**

- a) "Primer surfacer coat" means, for purposes of 35 Ill. Adm. Code 215.204(a), 218.204(a), and 219.204(a), a coating used to touch up areas on the surface of automobile or light-duty truck bodies not adequately covered by the prime coat before application of the top coat. The primer surfacer coat is applied between the prime coat and topcoat. An anti-chip coating applied to main body parts (e.g., rocker panels, bottom of doors and fenders, and leading edge of roof) is a primer surfacer coat. The primer surfacer coat is also referred to as a "guide coat."

- b) "Primer surfacer coat" means, for purposes of 35 Ill. Adm. Code Part 218, Subpart HH and Part 219, Subpart HH, a coating applied to motor vehicles, mobile equipment, or their parts and components at motor vehicle refinishing operations that fills in surface imperfections and builds a thickness in order to allow sanding.

(Source: Amended at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5480 Reflective Argent Coating**

"Reflective argent coating" means a silver-colored coating that will reflect light.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5600 Resist Coat**



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"Resist coat" means a coating that is applied to a plastic part before metallic plating to prevent deposits of metal on portions of the plastic part.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.5980 Sheet-Red**

"Sheet-fed" means a printing or coating line where individual sheets of substrate are fed to the line sequentially.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6060 Soft Coat**

"Soft coat" means any coating that provides a soft tactile feel similar to leather and a rich leather-like appearance when applied to plastic interior automotive parts and exterior business machine parts.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6140 Specialty Coatings**

"Specialty coatings" means, for the purposes of 35 Ill. Adm. Code 218 and 219, plastic parts coatings used for unusual job performance requirements. These products include adhesion primers, resist coatings, soft coatings, reflective coatings, electrostatic prep coatings, headlamp lens coatings, ink pad printing coatings, stencil coatings, vacuum metalizing coatings, gloss reducers, plating resist coatings, and plating sensitizer coatings.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6145 Specialty Coatings for Motor Vehicles**

"Specialty coatings for motor vehicles" means, for purposes of 35 Ill. Adm. Code Part 218 and Part 219, Subpart HH, a coating used for unusual job performance requirements, including, but not limited to, adhesion promoters, uniform finish blenders, elastomeric materials, gloss flatteners, and bright metal trim repair.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6400 Stencil Coat**

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"Stencil coat" means a coating that is applied over a stencil on a plastic part at a thickness of 1 mil or less of coating solids. Stencil coats are most frequently letters, numbers, or decorative designs.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6540 Surface Preparation Materials**

"Surface preparation materials" means materials that are used to remove foreign matter, such as wax, tar, grease, and silicone, from the surface to be coated.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6580 Texture Coat**

"Texture coat" means a coating applied to a plastic part which, in its finished form, consists of discrete raised spots of the coating.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6620 Three or Four Stage Coating System**

"Three or four stage coating system" means a topcoat system composed of a colored basecoat, one or two semi-transparent midcoats, and a transparent clearcoat.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6695 Topcoat System**

"Topcoat system" means the final film or series of films of coating applied to a motor vehicle refinishing surface, and includes basecoat, clearcoat systems and three or four stage coating systems.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

**Section 211.6720 Touch-Up Coating**

"Touch-up coating" means, for purposes of motor vehicle refinishing operations, a coating applied by brush or hand held, non-refillable aerosol cans to repair minor surface damage and imperfections.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 09 1995)

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## Section 211.6860 Uniform Finish Blender

"Uniform finish blender" means a thinner or low solids clear solution which is used to melt overspray from a repaired area into the unrepaired color.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)

## Section 211.6880 Vacuum Metallizing

"Vacuum metallizing" means a process whereby metal is vaporized and deposited on a substrate in a vacuum chamber.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)

## Section 211.7400 Yeast Percentage

"Yeast percentage" means lbs of yeast per hundred lbs of total flour in the recipe, expressed as a percentage.

(Source: Added at 19 Ill. Reg. 6823, effective MAY 0 9 1995)

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1) Heading of the Part: Organic Material Emission Standards and Limitations for the Chicago Area

2) The Code Citation: 35 Ill. Adm. Code 218

3) Section Number: Adopted Action:

218.106	Amended
218.204	Amended
218.205	Amended
218.207	Amended
218.208	Amended
218.210	Amended
218.212	New
218.213	New
218.214	New
218.405	Amended
218.406	New
218.407	New
218.408	New
218.409	New
218.410	New
218.411	New
218.431	New
218.432	New
218.433	New
218.434	New
218.435	New
218.436	New
218.480	Amended
218.686	Amended
218.720	New
218.722	New
218.726	New
218.727	New
218.728	New
218.729	New
218.730	New
218.780	New
218.782	New
218.784	New
218.786	New
218.787	New
218.788	New
218.789	New
218.790	New
218.791	New
218.792	New

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- 218.966 Amended  
 218.980 Amended  
 218.Appendix G New  
 218.Appendix H New
- 4) Statutory Authority: 415 ILCS 5/27.

- 5) Effective Date of Rule(s) (Amendments, Repealer): May 9, 1995

- 6) Does this rulemaking contain an automatic repeal date?  
 No

- 7) Does this rule (amendment, repealer) contain incorporation by reference?  
 No

- 8) Date Filed in Agency's Principal Office: April 20, 1995

- 9) Notice(s) of Proposal Published in Illinois Register:

18 Ill. Reg. 15211, October 14, 1994:

218.106 Amended  
 218.204 Amended  
 218.205 Amended  
 218.207 Amended  
 218.208 Amended  
 218.210 Amended  
 218.212 New  
 218.213 New  
 218.214 New  
 218.431 New  
 218.432 New  
 218.433 New  
 218.434 New  
 218.435 New  
 218.436 New  
 218.686 Amended  
 218.720 New  
 218.722 New  
 218.726 New  
 218.727 New  
 218.728 New  
 218.729 New  
 218.730 New  
 218.966 Amended  
 218.980 Amended  
 218.Appendix G New  
 218.Appendix H New

18 Ill. Reg. 17084, December 2, 1994:

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

218.405 Amended  
 218.406 New  
 218.407 New  
 218.408 New  
 218.409 New  
 218.410 New  
 218.411 New  
 218.480 Amended

18 Ill. Reg. 17372, December 9, 1994:

218.780 New  
 218.782 New  
 218.784 New  
 218.786 New  
 218.787 New  
 218.788 New  
 218.789 New  
 218.790 New  
 218.791 New  
 218.792 New

- 10) Has JCAR issued a Statement of Objections to this (these) Rule(s)? No

- 11) Difference(s) between proposal and final version:

After the Source note add: BOARD NOTE: This Part implements the Environmental Protection Act as of July 1, 1994.

In the Authority note, the following is stricken (Ill. Rev. Stat. 1991, ch. 111 1/2, pars 1010) (P.A. 87-1213, effective September 26, 1992)

In Section 218.204(b)(1) add:

A) Sheet basecoat      0.34      (2.8)  
                                  0.26\*      (2.2)\*

B) Overvarnish      0.34      (2.8)  
                                  0.34      (2.8)\*

In Section 218.204(j)(2)(B), 0.36\* should be changed to 0.40\* and (3.0)\* should be changed to (3.3)\*.

In Section 218.204(j)(4)(A), 0.34\* should be changed to 0.40\* and (2.8)\* should be changed to (3.3)\*.

In Section 218.204(j)(4)(B), 0.28\* should be changed to 0.34\* and (2.3)\* should be changed to (2.8)\*.



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In Section 218.204(j)(4)(B), the new subsections (5)(6)(7) were added.

In Section 218.208, the subsections (c) and (d) were added.

In Section 218.212, (c) is relettered to (d) and a new subsection (c) was added.

In Section 218.212(c), relettered above to 218.212(d), the reference to "subsection (c)(2)" is changed to "subsection (d)(2)" and after "Section" the following sentence is added:

All participating coating lines shall be factored in each day to demonstrate compliance. Provided compliance is established pursuant to the requirements in this subsection, nothing in this Section requires daily operation of each participating line.

In Section 218.212(c), relettered above to 218.212(d), the word "all" is added between "from" and "participating".

In Section 218.213(a)(8), the reference to "Section 218.212(c)(2)(B)" is changed to "Section 218.212(d)(2)(B)".

In Section 218.431(a), after "The" the following is added:

provisions of Sections 218.431 through 218.436 of this Subpart shall apply to

In Section 218.431(a), the following is added:

2) All continuous distillation and reactor process emission units not subject to Section 218.520 through 218.527 of this Part, and located within Stepan Company's Millsdale manufacturing facility, Elwood, Illinois.

In Section 218.431(b)(6), "59 Fed. Reg." should read "57 Fed. Reg."

In Section 218.434(d)(3), "absorber" should be "adsorber".

In Section 218.435(a)(4)(C), "absorber" should be "adsorber".

In Section 218.722, "b" should be relettered "d" and new subsections (b) and (c) were added.

In Section 218.726(a)(2), "30" should become "45".

In Section 218.728, the new subsections (c) and (d) were added.

In Section 218.730, the new subsections (e) and (f) were added.

In Section 218.Appendix H, "Base Line" should be one word.

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The following changes were made from the proposal which was published at 18 Ill. Reg. 17084, on December 2, 1994:

In the Table of Contents make the following changes:

a) Delete Section 218.412.

b) Section 218.583, replace "Facilities with "Operations".

Section 218.405(a), replace all three "heatset-web-offset" with "heatset web offset", and replace "cleanup" with "cleanup".

Section 218.405(a)(1), replace both "heatset-web-offset" with "heatset web offset", add an "s" to "solvent", replace "cleanup" with "cleanup", and change ", " to "; " after "equipment".

Section 218.405(a)(2), replace both "heatset-web-offset" with "heatset web offset", change "of" to "or" after "capacity", and change "or" to "or" after "absence".

Section 218.405(b), replace "heatset-web-offset" with "heatset web offset".

Section 218.405(c), delete ", and, if applicable, Section 218.412".

Section 218.405(d), replace "218.412" with "218.411".

Section 218.405(d)(1)(A), add "lithographic" after "offset".

Section 218.405(d)(2), delete "actual".

Sections 218.406(a)(1) and Section 218.407(a)(C), after "emissions" add "(excluding methane and ethane)".

Section 218.406(b)(1)(A)(ii), delete underline of "(A x B) +".

Section 218.406(b)(1)(A)(ii), change "lbs" to "lb", change "Kg VOM/l" to "Kg/l", and change "lbs VOM/gal" to "lb/gal" twice and change "Kg" to "kg".

Sections 218.406(b)(2)(A), 218.406(b)(2)(C)(iii), 218.406(b)(3), 218.406(b)(3)(C)(iii) and 218.406(b)(3)(C)(iii), delete the second "subsection".

Section 218.406(b)(1)(C), add "lithographic" after "offset", and change "exceedance" to "exceedence".

Section 218.406(b)(3)(C)(ii), change "day" to "days".

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Section 218.407(a)(1)(A)(ii), add the degree symbol after "15.6" and after "60".

Section 218.407(a)(4)(A), delete the second "than".

Section 218.407(b), replace "Section 218.407(a)(1)(C) of this Subpart" with "subsection (a)(1)(C) of this Section".

Section 218.408(a), delete ", and if applicable, 218.412".

Section 218.409(a), replace "upon" with "within 90 days after a" and replace "of" with "by".

Section 218.409(b)(3)(C), replace "Method 25 must instead be used" with "a retest is required. The retest shall be conducted using either Method 25 or Method 25A. If the retest is conducted using Method 25A and the test results again show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, the source must retest using Method 25;"

Section 218.409(b), after "device" add, "such as a smoke stick,".

Section 218.409(e), after "the" add "VOM".

Section 218.410, replace "Sections" with "Section".

Sections 218.410(a) and 218.410(e), add "." at the end of the line.

Section 218.410(a)(2), after "specifications," add "If the automatic, continuous recording device malfunctions, the owner or operator shall record the temperature of the fountain solution at least once every two operating hours. The automatic, continuous recording device shall be repaired or replaced as soon as practicable."

Section 218.410(b), replace text with the following:

b) Fountain Solution VOM Content. The owner or operator of any lithographic printing line(s) subject to Section 218.407(a)(1)(A), (a)(2) or (a)(3) of this Subpart shall:

1) For a fountain solution to which VOM is not added automatically:

A) Maintain records of the VOM content of the fountain solution in accordance with Section 218.411(c)(2)(C); or

B) Take a sample of the as-applied fountain solution from the fountain tray or reservoir, as applicable, each time a fresh batch of fountain solution is prepared or each time

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VOM is added to an existing batch of fountain solution in the fountain tray or reservoir, and shall determine compliance with the VOM content limitation of the as-applied fountain solution by using one of the following options:"

Section 218.410(b)(1)(A)(ii), add a space after "water".

Section 218.410(b)(1)(B), replace text with the following:

2) For fountain solutions to which VOM is added at the source with automatic feed equipment, determine the VOM content of the as-applied fountain solution based on the setting of the automatic feed equipment which makes additions of VOM up to a pre-set level. The equipment used to make automatic additions must be installed, calibrated, operated and maintained in accordance with manufacturer's specifications.

Section 218.410(c), add a "." after "Lines".

Section 218.410(d), add a "." after "Lines".

Sections 218.410(e)(1)(B) and 218.410(e)(2), delete ", or if applicable, 218.412(d)(2)".

Sections 218.411(a)(1)(B) and 218.411 (a)(1)(B)(i), delete "actual".

Section 218.411(a)(1)(B)(iii) replace "ink" with "inks" after "To determine VOM emissions from;" and add "ink" after "an".

Section 218.411(a)(2), replace "all of the following" with "either the", add "specified in subsection (a)(2)(A) or (a)(2)(B) of this Section" after "information", and replace "each" with "all".

Section 218.411(a)(2)(A), replace text with the following:

"A) standard recordkeeping, including the following:

i) The name and identification of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;

ii) A daily record which shows whether or not a lithographic printing line at the source was in operation on that day;

iii) The VOM content and the volume of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;

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- iv) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month; and
- v) The VOM emissions in lbs/day for the month, calculated in accordance with Section 218.411(a)(1)(B) of this Subpart;
- B) Purchase and inventory recordkeeping, including the following:
- i) The name, identification, and VOM content of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;
  - ii) Inventory records from the beginning and end of each month indicating the total volume of each fountain solution additive, lithographic ink, and cleaning solvent to be used on any lithographic printing line at the source;
  - iii) Monthly purchase records for each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line at the source;
  - iv) A daily record which shows whether or not a lithographic printing line at the source was in operation on that day;
  - v) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month based on the monthly inventory and purchase records required to be maintained pursuant to subsections (a)(2)(B)(i), (a)(2)(B)(ii) and (a)(2)(B)(iii) of this Section; and
  - vi) The VOM emissions in lbs/day for the month, calculated in accordance with Section 218.411(a)(1)(B) of this Subpart;".
- Sections 218.411(a)(2)(ii), 219.411(a)(2)(B)(iv) and 218.411(b)(2)(A), delete "or not".
- Section 218.411(a)(3), delete the word "actual".
- Section 218.411(b)(1)(B), delete space between "218.407" and "(a)(1)(B)".
- Section 218.411(b)(2)(A), change "of" to "after".

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- Section 218.411(c)(1)(A), add the following:
- "B) Identification of each centralized fountain solution reservoir and each lithographic printing line that it serves;"
- Section 218.411(c)(1)(B), change "B)" to "C)".
- Section 218.411(c)(1)(C), change "C)" to "D)".
- Section 218.411(c)(1)(D), change "D)" to "E)" and replace "alternative" with "recordkeeping".
- Section 218.411(c)(1)(E), change "E)" to "F)".
- Section 218.411(c)(2), delete "used on each lithographic printing line".
- Section 218.411(c)(2)(A), after "on" add "one or more".
- Section 218.411(c)(2)(A), replace "line(s)," with "lines, the lithographic printing line(s) or centralized reservoir using such batch of fountain solution,".
- Section 218.411(c)(2)(B), replace "(A)" with "(B)".
- Section 218.411(c)(2)(C), replace "(2)" with "(1)(A)".
- Section 218.411(c)(2)(C)(ii), add the following:
- "ii) Volume and VOM content of each component used in, or subsequently added to, the fountain solution batch;".
- Section 218.411(c)(2)(C)(iii), replace "ii)" with "iii)".
- Section 218.411(c)(2)(C)(iii), replace "iii)" with "iv)".
- Section 218.411(c)(2)(D)(ii), after "devices" add "and automatic, continuous temperature recorders".
- Section 218.411(c)(4), and Section 218.411(d)(4), replace "at least" with "within", and replace "before" with "after".
- Section 218.412(b)(1)(A), delete space between "sheet-" and "fed".
- Section 218.412(c)(1), delete space between "as" and "-used".
- Section 218(c)(2), replace "(d)(2)(C)" with "(d)(2)(C)".
- Section 218.412(c)(3), delete "the" before "subsection".



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The following changes were made from the proposal which was published at 18 Ill. Reg. 17372, on December 9, 1994:

In the Table of Contents the following changes were made:

- a. In Section 218.121, added "of VPL".
- b. In Section 218.624, changed "Open Top" to "Open-Top".

In Section 218.787(b), deleted comma after "year".

In Section 218.788(a)(2), changed "of" to "after".

In Section 218.789(a)(1), changed (d)(2)(a) to (d)(2)(A).

In Section 218.792(a)(3), deleted "and" after "applicable".

In Section 218.792(a)(6), changed "owner" to "owner's".

In Section 218.792(a)(6), changed "operator" to "operator's"; deleted "shall certify" and replaced it with "certification".

- 12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR?  
Yes

- 13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No

- 14) Are there any amendments pending on this Part? Yes

Section Numbers:	Proposed Action:	Ill. Reg. Citation:
218.500	New Section	18 Ill. Reg. 17823, December 16, 1994
218.501	New Section	18 Ill. Reg. 17823, December 16, 1994
218.502	New Section	18 Ill. Reg. 17823, December 16, 1994
218.503	New Section	18 Ill. Reg. 17823, December 16, 1994
218.504	New Section	18 Ill. Reg. 17823, December 16, 1994
218.505	New Section	18 Ill. Reg. 17823, December 16, 1994
218.506	New Section	18 Ill. Reg. 17823, December 16, 1994

- 15) Summary and Purpose of Rule(s): A complete description of this Section

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28.5 fast-track rulemaking is included in the Board's April 20, 1995 opinion and order in docket R94-21, which is available from the address below. Specifically, this rulemaking proposes amendments to two Subparts and adds one Subpart to 35 Ill. Adm. Code 218 pursuant to the 15% Rate of Progress Plan submitted to USEPA November 15, 1993, as required by the Clean Air Act, as amended in 1990. The amendments to Subpart F, Coating Operations, propose more stringent emissions limitations for specified categories of coatings, propose adding two categories of plastic parts coatings to be regulated, and proposes a lower applicability level for wood furniture coating. The amendments to Subpart Q, Leaks from Synthetic Organic Chemical and Polymer Manufacturing Plant, reflect federal guidance on controlling emissions from the synthetic organic chemical distillation and reactor processes. The addition of Subpart FF, Bakery Ovens, proposes emission controls for specified bakery ovens.

This rulemaking also proposes some amendments to clarify prior rulemakings in 35 Ill. Adm. Code 218 that are required by the Clean Air Act, as amended in 1990. The amendment to Section 218.106 is to add a compliance date reflected in the federal register. The amendment to Section 218.966 is to add a compliance date added to Part 219 in an earlier rulemaking but missed in Part 218. The amendment to Section 218.686 is to clarify that aerosol can fillers only have to use one type of criteria to prove whether cans are able to be filled through-the-valve rather than all three types of criteria. The amendment to Section 218.980 is to include an exemption for polyethylene foam packaging excluded from the "RACT" rulemaking.

The rulemaking published at 18 Ill. Reg. 17084 proposes changes to Subpart H of Part 218 to include control measures for the control of VOM emissions from offset lithographic printing. It also includes minor amendments to Section 218.480 which clarify amendments made to this section in rulemaking R93-14. In the Matter of: Reasonably Available Control Technology for Major Sources Emitting Volatile Organic Material in the Chicago Ozone Non-attainment Area: 25 Tons Amendments to 35 Ill. Adm. Code Parts 211 and 218.

The rulemaking published in 18 Ill. Reg. 17372 on December 9, 1994 represents Part VI of the rules to be adopted in the State's 15% ROP. This rulemaking requires all motor vehicle refinishing operations located in the Chicago and Metro-East ozone nonattainment areas to: comply with the specified VOM content limitations for coatings and surface preparation materials, use specified coating applicators and reporting requirements, cleaning equipment, comply with recordkeeping and reporting requirements, and register annually with the Agency. This rulemaking also provides for a control equipment alternative. Specifically this rulemaking adds Subpart HH: Motor Vehicle Refinishing, Sections 218.780, 218.782, 218.784, 218.786, 218.787, 218.788, 218.789, 218.790, 218.791, and 218.792. A complete description of this Section 28.5 fast-track rulemaking is included in the Board's April 20, 1995 opinion and order in docket

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R94-32, which is available at the address below.

16) Information and questions regarding this adopted rule shall be directed to:

- Marie E. Tipsord (312) 814-4925
- Audrey Losuk-Lawless (312) 814-6923 or (815) 753-0947
- Kevin Desharnais (312) 814-6926

100 W. Randolph Street  
State of Illinois Center  
Suite 11-500  
Chicago, IL 60601

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address above. Please refer to the Docket number R94-21, R94-31, and R94-32 in your request.

The full text of the adopted rule(s) begins on the following page:

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TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE B: AIR POLLUTION  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER c: EMISSIONS STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

PART 218  
ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS  
FOR THE CHICAGO AREA

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218.101	Savings Clause
218.102	Abbreviations and Conversion Factors
218.103	Applicability
218.104	Definitions
218.105	Test Methods and Procedures
218.106	Compliance Dates
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218.108	Exemptions, Variations, and Alternative Means of Control or Compliance Determinations
218.109	Vapor Pressure of Volatile Organic Liquids
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218.120	Control Requirements for Storage Containers of VOL
218.121	Storage Containers of VPL
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SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

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## SUBPART H: PRINTING AND PUBLISHING

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218.408 Compliance Schedule for Lithographic Printing on and After March 15, 1996

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AUTHORITY: Implementing Section 10 and authorized by Section 28.5 of the Environmental Protection Act [415 ILCS 5/10 and 28.5].

SOURCE: Adopted in R91-7 at 15 Ill. Reg. 12231, effective August 16, 1991; amended in R91-23 at 16 Ill. Reg. 13564, effective August 24, 1992; amended in R91-28 and R91-30 at 16 Ill. Reg. 13864, effective August 24, 1992; amended in R93-9 at 17 Ill. Reg. 16636, effective September 27, 1993; amended in R93-14 at 18 Ill. Reg. 1945, effective January 24, 1994; amended in R94-12 at 18 Ill. Reg. at 14973, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16392, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16950, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6848, effective MAY 09 1995.

BOARD NOTE: This Part implements the Environmental Protection Act as of July 1, 1994.

NOTE: In this Part, superscript numbers or letters are denoted by parentheses; subscript are denoted by brackets; and SUM means the summation series or sigma function as used in mathematics.

## SUBPART A: GENERAL PROVISIONS

## Section 218.106 Compliance Dates

- a) Except as otherwise provided in this Section ~~218-106(e)~~ and or as otherwise provided in a specific Subpart of this Part, compliance with the requirements of all rules is required by July 1, 1991, or September 1, 1991, for all sources located in Cook, DuPage, Kane, Lake, McHenry, or Will Counties, consistent with the appropriate provisions of Section 218.103 of this Part Subpart.

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- b) Except as otherwise provided in this Section ~~218-106(f)~~ and ~~(g)~~ below or as otherwise provided in a specific Subpart of this Part, compliance with the requirements of this Part is required by November 15, 1993, for all sources located in Aux Sable Township or Goose Lake Township in Grundy County, or in Oswego Township in Kendall County.
- c) All emission units which meet the applicability requirements of Sections 218.402(a)(2), 218.611(b), 218.620(b), 218.660(a), 218.680(a), 218.920(b), 218.940(b), 218.960(b) or 218.980(b) of this Part, including emission units at sources which are excluded from the applicability criteria of Sections 218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a), or 218.980(a) of this Part by virtue of permit conditions or other enforceable means, must comply with the requirements of Subparts H, Z, AA, CC, DD, PP, QQ, RR or TT of this Part, respectively, by March 15, 1995. Any owner or operator of an emission unit which has already met the applicability requirements of Sections 218.402(a)(1), 218.611(a), 218.620(a), 218.920(a), 218.940(a), 218.960(a), or 218.980(a) of this Part on or by the effective date of this subsection is required to comply with all compliance dates or schedules found in ~~Sections 218-106(f) or 218-106(g)~~ subsection (a) or (b) of this Section, as applicable.
- d) As this Part is amended from time to time, compliance dates included in the specific Subparts supersede the requirements of this Section except as limited by Section 218.101(c) of this Subpart.
- e) Any owner or operator of a source with an emission unit subject to the requirements of Section 218.204(m)(2) or (m)(3) of this Part shall comply with those requirements by March 25, 1995.

(Source: Amended at 19 Ill. Reg. 6848, effective MAY 09 1995 )

## SUBPART F: COATING OPERATIONS

## Section 218.204 Emission Limitations

Except as provided in Sections 218.205, 218.207and, 218.208, and 218.212 of this Part Subpart, no owner or operator of a coating line shall apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. Compliance with the emission limitations marked with an asterisk in this Section is required on and after March 15, 1996. Compliance with emission limitations not marked with an asterisk is required until March 15, 1996. The following emission limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition. Compliance with this Subpart must be demonstrated through the applicable coating analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping



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and reporting requirements specified in Section 218.211(c) of this Part Subpart except where noted. (Note: The equation presented in Section 218.206 of this Part shall be used to calculate emission limitations for determining compliance by add-on controls, credits for transfer efficiency, emission trades and cross-line averaging.) The emission limitations are as follows:

a) Automobile or Light-Duty Truck Coating	kg/l	lb/gal
1) Prime coat	0.14	(1.2)
2) Primer surfacer coat	0.14*	(1.2)*
	1.81	(15.1)
	1.81*	(15.1)*

(Note: The primer surfacer coat limitation is in units of kg (lbs) or VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire primer surfacer operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 does not apply to the primer surface surfacer limitation.)

3) Topcoat	kg/l	lb/gal
	1.81	(15.1)
	1.81*	(15.1)*

(Note: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 of this Part does not apply to the topcoat limitation.)

4) Final repair coat	kg/l	lb/gal
	0.58	(4.8)
	0.58*	(4.8)*
b) Can Coating	kg/l	lb/gal

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1) Sheet basecoat and overvarnish	0-34	†2-0†
A) Sheet basecoat	0.34	(2.8)
	0.26*	(2.2)*
	0.34	(2.8)
B) Overvarnish	0.34	(2.8)*
2) Exterior basecoat and overvarnish	0.34	(2.8)
	0.25*	(2.1)*
3) Interior body spray coat	0-5†	†4-2†
A) Two piece	0.51	(4.2)
	0.44*	(3.7)*
B) Three piece	0.51	(4.2)
	0.51*	(4.2)*
4) Exterior end coat	0.51	(4.2)
	0.51*	(4.2)*
5) Side seam spray coat	0.66	(5.5)
	0.66*	(5.5)*
6) End sealing compound coat	0.44	(3.7)
	0.44*	(3.7)*

c) Paper Coating	kg/l	lb/gal
	0.35	(2.9)
	0.28*	(2.3)*

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H: Printing and Publishing, Sections 218.401 of this Part.)

d) Coil Coating	kg/l	lb/gal
	0.31	(2.6)
	0.20*	(1.7)*
e) Fabric Coating	0.35	(2.9)
	0.28*	(2.3)*
f) Vinyl Coating	0.45	(3.8)
	0.28*	(2.3)*
g) Metal Furniture Coating	0-36	†3-0†
1) Air dried	0.36	(3.0)
	0.34*	(2.8)*
2) Baked	0.36	(3.0)
	0.28*	(2.3)*
h) Large Appliance Coating	0-34	†2-0†
1) Air dried	0.34	(2.8)
	0.34*	(2.8)*
2) Baked	0.34	(2.8)
	0.28*	(2.3)*

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(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

i) Magnet Wire Coating kg/l lbs/gal  
0.20 (1.7)  
0.20\* (1.7)\*

j) Miscellaneous Metal Parts and Products Coating

1) Clear coating 0.52 (4.3)  
0.52\* (4.3)\*  
0.42 (3.5)  
0.42\* (3.5)\*

2) Air-dried coating

3) Extreme performance 0.42 (3.5)  
0.42\* (3.5)\*

4) Steel pail and drum interior coating 0.52\* (4.3)\*  
0.52\* (4.3)\*

5) All other coatings 0.42 (3.5)  
0.42\* (3.5)\*

A) Air Dried 0.36 (3.0)  
0.36\* (3.0)\*

B) Baked 0.42 (3.5)  
0.42\* (3.5)\*

6) Marine engine coating 0.42 (3.5)  
0.42\* (3.5)\*

A) Air Dried 0.42 (3.5)  
0.42\* (3.5)\*

B) Baked 0.42 (3.5)  
0.42\* (3.5)\*

i) Primer/Topcoat 0.42 (3.5)  
0.42\* (3.5)\*

ii) Corrosion resistant basecoat 0.42 (3.5)  
0.42\* (3.5)\*

C) Clear Coating 0.52 (4.3)  
0.52\* (4.3)\*

6) Metallic Coating 0.42 (3.5)  
0.42\* (3.5)\*

A) Air Dried 0.36 (3.0)  
0.36\* (3.0)\*

B) Baked 0.42 (3.5)  
0.42\* (3.5)\*

7) Definitions

A) For purposes of subsection 218.204(j)(5) of this Section, the following terms are defined:

i) "Corrosion resistant basecoat" means, for purposes of subsection 218.204(j)(5)(B)(ii) of this Section, a water-borne epoxy coating applied via an

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electrodeposition process to a metal surface prior to spray coating, for the purpose of enhancing corrosion resistance.

ii) "Electrodeposition process" means a water-borne dip coating process in which opposite electrical charges are applied to the substrate and the coating. The coating is attracted to the substrate due to the electrochemical potential difference that is created.

iii) "Marine engine coating" means any extreme performance protective, decorative or functional coating applied to an engine that is used to propel watercraft.

B) For purposes of subsection 218.204(j)(6) of this Section, "metallic coating" means a coating which contains more than 1/4 lb/gal of metal particles, as applied.

k) Heavy Off-Highway Vehicle kg/l lb/gal

Products Coating 0.42 (3.5)

1) Extreme performance 0.42\* (3.5)\*

prime coat 0.42 (3.5)

2) Extreme performance top-coat (air dried) 0.42\* (3.5)\*

3) Final repair coat 0.42 (3.5)

(air dried) 0.42\* (3.5)\*

4) All other coatings are subject to the emission limitations for miscellaneous metal parts and products coating in subsection (j) above.

l) Wood Furniture Coating kg/l lb/gal

1) Clear topcoat 0.67 (5.6)

0.67\* (5.6)\*

2) Opaque stain 0.56 (4.7)

0.56\* (4.7)\*

3) Pigmented coat 0.60 (5.0)

0.60\* (5.0)\*

4) Repair coat 0.67 (5.6)

0.67\* (5.6)\*

5) Sealer 0.67 (5.6)

0.67\* (5.6)\*

6) Semi-transparent stain 0.79 (6.6)

0.79\* (6.6)\*

7) Wash coat 0.73 (6.1)

0.73\* (6.1)\*

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray

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application system, electrostatic spray application system, electrostatic bell or disc spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, dip coating application system or high volume low pressure (HVLP) application system.)

m) Existing Diesel-Electric Locomotive Coating Lines in Cook County

	kg/l	lb/gal
1) Extreme performance prime coat	0.42 0.42*	(3.5) (3.5)*
2) Extreme performance top-coat (air dried)	0.42 0.42*	(3.5) (3.5)*
3) Final repair coat (air dried)	0.42 0.42*	(3.5) (3.5)*
4) High-temperature aluminum coating	0.72 0.72*	(6.0) (6.0)*
5) All other coatings	0.36 0.36*	(3.0) (3.0)*

n) Plastic Parts Coating: Automotive/Transportation

	kg/l	lb/gal
1) Interiors		
A) Baked		
i) Color coat	0.49*	(4.1)*
ii) Primer	0.46*	(3.8)*
B) Air Dried		
i) Color coat	0.38*	(3.2)*
ii) Primer	0.42*	(3.5)*
2) Exteriors (flexible and non-flexible)		
A) Baked		
i) Primer	0.60*	(5.0)*
ii) Primer non-flexible	0.54*	(4.5)*
iii) Clear coat	0.52*	(4.3)*
iv) Color coat	0.55*	(4.6)*
B) Air Dried		
i) Primer	0.66*	(5.5)*
ii) Clear coat	0.54*	(4.5)*
iii) Color coat (red & black)	0.67*	(5.6)*
iv) Color coat (others)	0.61*	(5.1)*
3) Specialty		
A) Vacuum metallizing basecoats, texture	0.66*	(5.5)*

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B) basecoats	0.71*	(5.9)*
Black coatings, reflective argnet coatings, air bag cover coatings, and soft coatings		
C) Gloss reducers, vacuum metallizing topcoats, and texture topcoats	0.77*	(6.4)*
D) Stencil coatings, adhesion primers, ink pad coatings, electrostatic prep coatings, and resist coatings	0.82*	(6.8)*
E) Head lamp lens coatings	0.89*	(7.4)*

o) Plastic Parts Coating: Business Machine

	kg/l	lb/gal
1) Primer	0.14*	(1.2)*
2) Color coat (non-texture coat)	0.28*	(2.3)*
3) Color coat (texture coat)	0.28*	(2.3)*
4) Electromagnetic interference/radio frequency interference (EMI/RFI) shielding coatings	0.48*	(4.0)*
5) Specialty Coatings		
A) Soft coat	0.52*	(4.3)*
B) Plating resist	0.71*	(5.9)*
C) Plating sensitizer	0.85*	(7.1)*

(Source: Amended at 19 Ill. Reg. effective  
MAY 0 9 1995 6848)

Section 218.205 Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 218.204 of this Part Subpart and complying by means of this Section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a), (b), (c), (d), (e), (f), (g), (h) or (i) of this Section (depending upon the category of coating) through the applicable coating analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section



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## 218.211(d) of this Part Subpart:

- a) No owner or operator of a coating line subject to only one of the limitations from among Section 218.204(a)(1), (a)(4), (c), (d), (e), (f), ~~(f)(7)-(f)(7)~~ or (i) of this Part Subpart shall apply coatings on any such coating line, during any day, whose whole daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.
- b) No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 218.204(j) of this Part Subpart shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection (b)(1) or (b)(2) below of this Section are met.
  - 1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(j), during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [~~3.5 lbs/gal~~]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or
  - 2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(j) above of this Subpart, during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy), 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.
- c) No owner or operator of a can coating line subject to the limitations of Section 218.204(b) of this Part Subpart shall operate the subject coating line using a coating with a VOM content in excess of the limitations specified in Section 218.204(b) of this Part Subpart unless all of the following requirements are met:
  - 1) An alternative daily emission limitation shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, according to subsection (c)(2) below of this Section. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

$$E[d] = \sum_{i=1}^n V[i]C[i]$$

where:

$E[d]$  = Actual VOM emissions for the day in units of kg/day (lbs/day);

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- i = Subscript denoting a specific coating applied;
  - n = Total number of coatings applied in the can coating operation, i.e. all can coating lines at the source;
  - $V[i]$  = Volume of each coating applied for the day in units of 1/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
  - $C[i]$  = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- 2) The alternative daily emission limitation ( $A[d]$ ) shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, on a daily basis as follows:

$$A[d] = \sum_{i=1}^n V[i] L[i] \frac{D[i] - C[i]}{D[i] - L[i]}$$

where:

- $A[d]$  = The VOM emissions allowed for the day in units of kg/day (lbs/day);
- i = Subscript denoting a specific coating applied;
- n = Total number of surface coatings applied in the can coating operation;
- $C[i]$  = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- $D[i]$  = The density of VOM in each coating applied. For the purposes of calculating  $A[d]$ , the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);
- $V[i]$  = Volume of each surface coating applied for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

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L(1) = The VOM emission limitation for each surface coating applied as specified in Section 218.204(b) of this Part Subpart in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 218.204(k) of this Part Subpart shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) ~~below~~ of this Section are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(k) ~~above~~ of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [43.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(k) ~~above~~ of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

e) No owner or operator of a wood furniture coating line subject to the limitations of Section 218.204(l) of this Part Subpart shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(1) or (e)(2) ~~below~~ of this Section, in addition to the requirements specified in the note to Section 218.204(l) of this Part Subpart, are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(l) ~~above~~ of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l [45.6 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(l) ~~above~~ of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

f) No owner or operator of an existing diesel-electric locomotive coating

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line in Cook County, subject to the limitations of Section 218.204(m) of this Part Subpart shall apply coatings to diesel-electric locomotives on the subject coating line unless the requirements of subsection(f)(1) or (f)(2) of this Section are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(m) ~~above~~ of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [43.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(m) ~~above~~ of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

g) No owner or operator of a plastic parts coating line, subject to the limitations of Section 218.204(n) or (o) of this Subpart shall apply coatings to business machine or automotive/transportation plastic parts on the subject coating line unless the requirements of subsection (g)(1) or (g)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(n) or (o) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used; or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(n) or (o) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

h) No owner or operator of a metal furniture coating line, subject to the limitations of Section 218.204(g) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (h)(1) or (h)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(g) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l [2.8 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used; or



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2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(g) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related Policy) must be satisfied.

i) No owner or operator of a large appliance coating line, subject to the limitations of Section 218.204(h) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (i)(1) or (i)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 218.204(h) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l [2.8 lbs/gal]), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 218.204(h) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related Policy) must be satisfied.

(Source: Amended at 19. Ill. Reg. effective  
MAY 09 1995 6848)

## Section 218.207 Alternative Emission Limitations

a) Any owner or operator of a coating line subject to Section 218.204 of this Part Subpart may comply with this Section, rather than with Section 218.204 of this Part Subpart, if a capture system and control device are operated at all times the coating line is in operation and the owner or operator demonstrates compliance with subsections (c), (d), (e), (f), (g), or (h), (i), (j) or (k) of this Section (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in Section 218.105 of this Part and the recordkeeping and reporting requirements specified in Section 218.211(e) of this Part Subpart; and the control device is equipped with the applicable monitoring equipment specified in Section 218.105(d) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g), or (h), (i), (j) or (k) of this Section may

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be used as an alternative to compliance with Section 218.204 of this Part Subpart only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

b) Alternative Add-On Control Methodologies

1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or

2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 218.204 of this Part Subpart. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA. Such overall efficiency is to be determined as follows:

A) Obtain the emission limitation from the appropriate subsection in Section 218.204 of this Part Subpart;

B) Calculate "S" according to the equation in Section 218.206 of this Part Subpart;

C) Calculate the overall efficiency required according to Section 218.105(e) of this Part. For the purposes of calculating this value, according to the equation in Section 218.105(e)(2) of this Part, VOM[1] is equal to the value of "S" as determined above in subsection (b)(2)(B) of this Section.

c) No owner or operator of a coating line subject to only one of the emission limitations from among Section 218.204(a)(1), (a)(4), (c), (d), (e), (f), or (g) or (i) of this Part Subpart and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above of this Section are met. No owner or operator of a coating line subject to Section 218.204(a)(2) or 218.204(a)(3) and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with such limitation in accordance with the topcoat protocol referenced in Section 218.105(b). No owner or operator of a miscellaneous metal parts and products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(j) of this Part Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l [3.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above of this Section are met.



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- e) No owner or operator of a heavy off-highway vehicle products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(k) of this Part Subpart (e.g., all coatings used on the line are subject to 0.42 kg/1 [43.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above of this Section are met.
- f) No owner or operator of an existing diesel-electric locomotive coating line in Cook County which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(m) of this Part Subpart (e.g., all coatings used on the line are subject to 0.42 kg/1 [43.5 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above of this Section are met.
- g) No owner or operator of a wood furniture coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(l) of this Part Subpart (e.g., all coatings used on the line are subject to 0.67 kg/1 [45.6 lbs/gal]), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Part Section, then the provisions in the note to Section 218.204(l) of this Part Subpart must also be met.
- h) No owner or operator of a can coating line and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (h)(1) or (h)(2) below of this Section are met.

1) An alternative daily emission limitation shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, according to Section 218.205(c)(2) of this Part Subpart. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

$$E[d] = \sum_{i=1}^n V[i] C[i] \quad (1-F[i])$$

where:

E[d] = Actual VOM emissions for the day in units of kg/day (lbs/day);

i = Subscript denoting the specific coating applied;

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- n = Total number of surface coatings as applied in the can coating operation;
- V[i] = Volume of each coating as applied for the day in units of 1/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- C[i] = The VOM content of each coating as applied in units of kg VOM/1 (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and
- F[i] = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device.

2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

- i) No owner or operator of a plastic parts coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(n) or (o) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/1 [3.5 lbs/gal]), and which is equipped with a capture system and control device, shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.
- ii) No owner or operator of a metal furniture coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(g) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/1 [2.8 lbs/gal]), and which is equipped with a capture system and control device, shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.
- k) No owner or operator of a large appliance coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 218.204(h) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/1 [2.8 lbs/gal]), and which is equipped with a capture system and control device, shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

(Source: Amended at 19 Ill. Reg. 6848, effective MAY 09 1995)

Section 218.208 Exemptions From Emission Limitations

- a) Exemptions for all coating categories except wood furniture coating. The limitations of this Subpart shall not apply to coating lines

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within a source, that otherwise would be subject to the same subsection of Section 218.204 (because they belong to the same coating category, e.g., can coating), provided that combined actual emissions of VOM from all lines at the source subject to that subsection never exceed 6.8 kg/day [15 lbs/day] before the application of capture systems and control devices. (For example, can coating lines within a source would not be subject to the limitations of Section 218.204(b) of this Part Subpart if the combined actual emissions of VOM from the can coating lines never exceed 6.8 kg/day [15 lbs/day] before the application of capture systems and control devices.) Volatile organic material emissions from heavy off-highway vehicle products coating lines must be combined with VOM emissions from miscellaneous metal parts and products coating lines to determine applicability. Any owner or operator of a coating source shall comply with the applicable coating analysis test methods and procedures specified in Section 218.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(a) of this Part Subpart if total VOM emissions from the subject coating lines are always less than or equal to 6.8 kg/day [15 lbs/day] before the application of capture systems and control devices and, therefore, are not subject to the limitations of Section 218.204 of this Part Subpart. Once a category of coating lines at a source is subject to the limitations in Section 218.204, of this Part Subpart the coating lines are always subject to the limitations in Section 218.204 of this Part Subpart.

## b) Applicability for wood furniture coating

1) The limitations of this Subpart shall apply to a source's wood furniture coating lines if the source contains process emission units, not regulated by Subparts B, E, F (excluding Section 218.204(l) of this Part Subpart), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, Z or BB of this Part, which as a group both:

- A) Have a maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
  - B) Are not limited to less than 91 Mg (100 tons) of VOM per calendar year if no air pollution control equipment were used, through production or capacity limitations contained in a federally enforceable permit or SIP revision.
- 2) The limitations of this Subpart shall apply to a source's wood furniture coating lines, on and after March 15, 1996, if the source contains process emission units, which as a group, have a potential to emit 22.7 Mg (25 tons) or more of VOM per calendar year and have not limited emissions to less than 22.7 Mg (25 tons) of VOM per calendar year through production or capacity limitations contained in a federally enforceable operating permit or SIP revision, and which:

- A) Are not regulated by Subparts B, E, F (excluding Section 218.204(l) of this Subpart), H, Q, R, S, T (excluding

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Section 218.486 of this Part), V, X, Y, Z or BB of this Part; and

- B) Are not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, auto body refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

23) If a source ceases to fulfill the criteria of subsection (b)(1) or (b)(2) of this Section, the limitations of Section 218.204(l) of this Part Subpart shall continue to apply to any wood furniture coating line which was ever subject to the limitations of Section 218.204(l) of this Part Subpart.

24) For the purposes of subsection (b) of this Section, an emission unit shall be considered to be regulated by a Subpart if it is subject to the limitations of that Subpart. An emission unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met.

25) Any owner or operator of a wood furniture coating line to which the limitations of this Subpart are not applicable due to the criteria in subsection (b) of this Section shall, upon request by the Agency or the USEPA, submit records to the Agency and the USEPA within 30 calendar days from the date of the request that document that the coating line is exempt from the limitations of this Subpart.

c) On and after March 15, 1996, the limitations of this Subpart shall not apply to touch-up and repair coatings used by a coating source described by subsections 218.204(b), (d), (f), (g), (i), (j), (n) and (o) of this Subpart; provided that the source-wide volume of such coatings used does not exceed 0.95 l (1 quart) per eight-hour period or exceed 209 l/yr [55 gal/yr] for any rolling twelve month period. Recordkeeping and reporting for touch-up and repair coatings shall be consistent with Section 218.211(b)(4) of this Subpart.

d) On and after March 15, 1996, the owner or operator of a coating line or a group of coating lines using touch-up and repair coatings that are exempted from the limitations of Section 218.204(b), (d), (f), (g), (i), (j), (n) and (o) of this Subpart because of the provisions of Section 218.208(c) of this Subpart shall:

- 1) Collect and record the name, identification number, and volume used of each touch-up and repair coating, as applied on each coating line, per eight-hour period and per month;
- 2) Perform calculations on a daily basis, and maintain at the source records of such calculations, of the combined volume of touch-up and repair coatings used source-wide for each eight-hour period;
- 3) Perform calculations on a monthly basis, and maintain at the



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source records of such calculations, of the combined volume of touch-up and repair coatings used source-wide for the month and the rolling twelve month period:

- 4) Prepare and maintain at the source an annual summary of the information required to be compiled pursuant to subsections (c)(4)(A) and (c)(4)(B) of this Section on or before January 31 of the following year;
- 5) Maintain at the source for a minimum period of three years all records required to be kept under this subsection and make such records available to the Agency upon request;
- 6) Notify the Agency in writing if the use of touch-up and repair coatings at the source ever exceeds a volume of 0.95 l (1 quart) per eight-hour period or exceeds 209 l/yr [55 gal/yr] for any rolling twelve month period within 30 days after any such exceedance. Such notification shall include a copy of any records of such exceedance; and
- 7) "Touch-up and repair coatings" means, for purposes of 35 Ill. Adm. Code 218.208, any coating used to cover minor scratches and nicks that occur during manufacturing and assembly processes.

(Source: Amended at 19 Ill. Reg. 6848, effective MAY 09 1995 )

## Section 218.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section 218.204 of this Part Subpart) shall comply with the requirements of Section 218.204, 218.205, 218.207 or 218.208 and Section 218.211 of ~~this~~ Part or Sections 218.212 and 218.213 of this Subpart in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c), (d), (e) or (f) below:

- a) No owner or operator of a coating line which is exempt from the limitations of Section 218.204 of this Part Subpart because of the criteria in Section 218.208(a) of this Part Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Wood furniture coating lines are not subject to Section 218.211(b) of this Part Subpart.
- b) No owner or operator of a coating line complying by means of Section 218.204 of this Part Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.204 and 218.211(c) of this Part Subpart.
- c) No owner or operator of a coating line complying by means of Section 218.205 of this Part Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with,

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- d) Sections 218.205 and 218.211(d) of this Part Subpart.  
No owner or operator of a coating line complying by means of Section 218.207 of this Part Subpart shall operate said coating line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 218.207 and 218.211(e) of this Part Subpart.
- e) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 218.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 218.204, 218.205 or 218.207 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with, respectively, the applicable requirements in Section 218.204, or the alternative control options in Sections 218.205 or 218.207 and the requirements of Section 218.211.
- f) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 218.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 218.212 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator continues to comply with the requirements of Sections 218.212 and 218.213 of this Subpart.

(Source: Amended at 19 Ill. Reg. 6848, effective MAY 09 1995 )

## Section 218.212 Cross-Line Averaging to Establish Compliance for Coating Lines

- a) On and after March 15, 1996, any owner or operator of a coating line subject to the limitations set forth in Section 218.204 of this Subpart, and with coating lines in operation prior to January 1, 1991 ("pre-existing coating lines"), may, for pre-existing coating lines only, elect to comply with the requirements of this Section, rather than complying with the applicable emission limitations set forth in Section 218.204, if an operational change of the type described below has been made after January 1, 1991, to one or more pre-existing coating lines at the source. An operational change occurs when a pre-existing coating line is replaced with a line using lower VOM coating for the same purpose as the replaced line ("replacement line"). A source electing to rely on this Section to demonstrate compliance with the requirements of this Subpart shall operate pursuant to federally enforceable permit conditions approved by the Agency and USEPA.
- b) An owner or operator of pre-existing coating lines subject to a VOM content limitation in Section 218.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart must establish, by use of the equations in subsection (c) of this Section, that the calculated actual daily VOM emissions from all participating



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coating lines, as defined below, are less than the calculated daily allowable VOM emissions from the same group of coating lines. For any pre-existing coating line to be aggregated for the purposes of Section 218.212, 218.213, or 218.214 of this Subpart ("participating coating lines"), the source must establish that:

- 1) All coatings applied on the participating coating line shall, at all times, have a VOM content less than or equal to the applicable VOM content limitation for such coating listed in Appendix H of this Part; and
  - 2) On the date the source elects to rely on this Section to demonstrate compliance with this Subpart, all coatings applied on the participating coating line are not already in compliance with the VOM content limitation for such coating effective on or after March 15, 1996; or the participating coating line is a replacement line, as defined in subsection (a) of this Section with an operational change occurring on or after January 1, 1991.
- c) Notwithstanding subsection (a) of this Section, any owner or operator of a coating line subject to the limitations set forth in Section 218.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart may also include as a participating coating line, until December 31, 1999, only, any replacement line that satisfies all of the following conditions:
- 1) The replacement line is operated as a powder coating line;
  - 2) The replacement line was added after July 1, 1988; and
  - 3) The owner or operator also includes as a participating coating line one or more coating lines that satisfy the criteria of a replacement line, as described in subsection (a) of this Section.
- d) To demonstrate compliance with this Section, a source shall establish the following:
- 1) An alternative daily emission limitation shall be determined for all participating coating lines at the source according to subsection (d)(2) of this Section. All participating coating lines shall be factored in each day to demonstrate compliance. Provided compliance is established pursuant to the requirements in this subsection, nothing in this Section requires daily operation of each participating line. Actual daily emissions from all participating coating lines (E[d]) shall never exceed the alternative daily emission limitation (A[d]) and shall be calculated by use of the following equation:

$$E[d] = \sum_{i=1}^n V[i] \quad C[i]$$

where:

E[d] = Actual daily VOM emissions from participating coating lines in units of kg/day (lbs/day):

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- i = Subscript denoting a specific coating applied;
- n = Total number of coatings applied by all participating coating lines at the source;
- V[i] = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and
- C[i] = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

- 2) The alternative daily emission limitation (A[d]) shall be determined for all participating coating lines at the source on a daily basis as follows:

$$A[d] = A[l] + A[p]$$

where A[l] and A[p] are defined in subsections (2)(A) and (2)(B) of this Section.

- A) The portion of the alternative daily emissions limitation for coating operations at a source using non-powder coating (A[l]) shall be determined for all such participating non-powder coating lines on a daily basis as follows:

$$A[l] = \sum_{i=1}^n V[i] \quad L[i] \quad (D[i] - C[i])$$

$$L[i] = L[i] - L[i]$$

where:

- A[l] = The VOM emissions allowed for the day in units of kg/day (lbs/day):
- i = Subscript denoting a specific coating applied;
- n = Total number of coatings applied in the participating coating lines;
- C[i] = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);
- D[i] = The density of VOM in each coating applied. For the purposes of calculating A[l], the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM):

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$V(i) =$  Volume of each coating applied for the day in units of 1 (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and

$L(i) =$  The VOM emission limitation for each coating applied, as specified in Section 218.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

B) The portion of the alternative daily emission limitation for coating operations at a source using powdered coating (A(p)) shall be determined for all such participating powder coating lines at the source on a daily basis as follows:

$$A(p) = \sum_{h=1}^m \sum_{j=1}^n V(j) L(j) D(j) K(h) \\ (D(j) - L(j))$$

where:

$A(p) =$  The VOM emissions allowed for the day in units of kg/day (lbs/day);

$h =$  Subscript denoting a specific powder coating line;

$j =$  Subscript denoting a specific powder coating applied;

$m =$  Total number of participating powder coating lines;

$n =$  Total number of powder coatings applied in the participating coating lines;

$D(j) =$  The assumed density of VOM in liquid coating, 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);

$V(j) =$  Volume of each powder coating consumed for the day in units of 1 (gal) of coating;

$L(j) =$  The VOM emission limitation for each coating applied, as specified in Section 218.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and

$K =$  A constant for each individual coating line representing the ratio of the volume of coating solids consumed on the liquid coating system which has been replaced to the volume of powder coating consumed on the replacement line to accomplish the same coating job. This value shall be determined by the source based on tests conducted and records maintained pursuant to the requirements of Section 218.213 of this Subpart demonstrating the amount of coating solids consumed as both liquid and powder. Test methods and recordkeeping requirements shall be approved by the Agency and USEPA and shall be

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contained in the source's operating permit as federally enforceable permit conditions, subject to the following restrictions:

- i) K cannot exceed 0.9 for non-recycled powder coating systems; or
- ii) K cannot exceed 2.0 for recycled powder coating systems.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

### Section 218.213 Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines

Any owner or operator of a coating line that elects to comply by means of Section 218.212 of this Subpart shall establish the following:

- a) By the date consistent with Section 218.210(f) of this Subpart, or upon initial start-up of a new coating line replacing a pre-existing coating line, as defined in Section 218.212 of this Subpart, or upon changing the method of compliance for a pre-existing coating line from the requirements of Section 218.204 or Section 218.207 of this Subpart to the requirements of Section 218.212 of this Subpart, the owner or operator of the source shall certify to the Agency that each participating coating line, as determined in accordance with Section 218.212 of this Subpart, will be in compliance with Section 218.212 of this Subpart on or after a date consistent with Section 218.210(f) of this Subpart, or on and after the initial start-up date of such participating coating lines. Such certification shall also include:
  - 1) The name and identification number of each participating coating line;
  - 2) The name and identification number of each coating as applied on each participating coating line;
  - 3) The weight of VOM per volume of each coating and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each participating coating line;
  - 4) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each participating coating line;
  - 5) The method by which the owner or operator will create and maintain records each day as required in subsection (b) of this Section;
  - 6) An example of the format in which the records required in subsection (b) of this Section will be kept;
  - 7) A statement that all coatings used on participating coating lines have a VOM content less than or equal to the applicable VOM limitation for such coating set forth within Appendix H of this part, and that all lines either:



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- A) Underwent a change in operations incorporating a lower VOM coating on each applicable participating coating line after the date of January 1, 1991; or
- B) Are not in compliance and continued compliance with the Coating limitations in Section 218.204 of this Subpart, compliance with which is required on or after March 15, 1996;

- 8) The method by which the owner or operator has calculated K, for the equation contained in Section 218.212(d)(2)(B) of this Subpart, if applicable.

- b) On and after a date consistent with Section 218.210(f) of this Subpart, or on and after the initial start-up date, the owner or operator of a source electing to comply with the requirements of this Subpart by means of Section 218.212 of this Subpart shall collect and record the following information on a daily basis for each participating coating line and maintain the information at the source for a period of three years:

- 1) The name and identification number of each coating as applied on each participating coating line;
- 2) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied on each participating coating line on a daily basis; and
- 3) The daily weighted average VOM content of all coatings as applied on each coating line as defined at 35 Ill. Adm. Code 211.1230.

- c) On and after a date consistent with Section 218.210(f) of this Subpart, the owner or operator of participating coating lines shall:

- 1) Notify the Agency within 30 days following an occurrence of a violation of Section 218.212 of this Subpart; and
- 2) Send to the Agency any record showing a violation of Section 218.212 of this Subpart within 30 days following the occurrence of a violation.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

## Section 218.214 Changing Compliance Methods

- a) At least 30 calendar days before changing the method of compliance with this Subpart from Section 218.212 of this Subpart to Section 218.204 or Section 218.207 of this Subpart, the owner or operator of a source relying on Section 218.212 to demonstrate compliance with this Subpart for one or more pre-existing coating lines shall comply with all requirements of Section 218.211 (c)(1) or (e)(1) of this Subpart, respectively.

- b) Upon changing the method of compliance with this Subpart from Section 218.212 to Section 218.204 or Section 218.207 of this Subpart, the owner or operator of a source shall comply with the requirements of

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- Section 218.211(c) or (e) of this Subpart, respectively.
- c) The owner or operator shall certify that all remaining participating coating lines, if any, comply and continue to comply with the requirements of Section 218.212 of this Subpart.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

## SUBPART H: PRINTING AND PUBLISHING

## Section 218.405 Heatset-Web-Offset Lithographic Printing: Applicability

## a) Applicability

- 1a) Until March 15, 1996, the limitations of subsection (b)-below Section 218.406 of this Subpart apply to all heatset-web-offset heatset web offset lithographic printing lines (including solvents used for cleanup operations associated with the heatset-web-offset heatset web offset lithographic printing line(s)) at a subject source subject to the requirements of this Subpart. All sources with heatset-web-offset heatset web offset lithographic printing lines are subject sources subject to the requirements of this Subpart unless:

- A) Total maximum theoretical emissions of VOM from all heatset-web-offset heatset web offset lithographic printing lines (including solvents used for cleanup operations associated with the heatset-web-offset heatset web offset lithographic printing line(s)) at the source never exceed 90.7 Mg (100 tons) per calendar year in the absence of air pollution control equipment; or

- B) A federally enforceable permit or SIP revision for all heatset-web-offset heatset web offset lithographic printing lines(s) at a source requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all heatset-web-offset heatset web offset lithographic printing line(s) to 90.7 Mg (100 tons) per calendar year or less in the absence of air pollution control equipment; and

- 2b) Any owner or operator of any heatset-web-offset heatset web offset lithographic printing line that is exempt from the limitations in subsection (b)-of this Section 218.406 of this Subpart because of the criteria in subsection (a) of this Section shall be subject to the recordkeeping and reporting requirements in subsection (c)-of this Section 218.406(b)(1) of this Subpart.

- b) Specific Provisions: No owner or operator of a subject heatset-web-offset-printing line may cause or allow the operation of the subject heatset-web-offset-printing line unless the owner or operator meets the requirements in subsection (b)-of this Subpart and the requirements in subsections (b)-of this Subpart.



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of--VOM--per--catendar--year--in--the--absence--of--air  
pollution--control--equipment-----for-----each  
heatset-web-offset--lithographic--printing--line--at--the  
source.

(A-X-B) + (E-X-B) + 1095 (PxGxH)  
100

B(p) =

where:

B(p) =

A =

B =

E =

B =

P =

G =

H =

B) On and after a date consistent with Section 210-106 of this  
Party--the--owner--or--operator--of--a--heatset-web-offset  
lithographic printing line to which a subsection (c) of

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- 1) An afterburner system is installed and operated that reduces 90 percent of the VOM emissions from the dryer exhaust or
- 2) The fountain solution contains no more than 8 percent by weight of VOM and a condensation recovery system is installed and operated that removes at least 75 percent of the non-isopropyl alcohol organic materials from the dryer exhaust and
- 3) The control device is equipped with the applicable monitoring equipment specified in Section 210-105(f)(7) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use and
- 4) The control device is operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 210-105(a), (d) and (f) of this Part and by complying with the recordkeeping and reporting requirements specified in subsection (c) below.
- e) Recordkeeping and reporting. The VOM content of each fountain solution and ink and the efficiency of each control device shall be determined by the applicable test methods and procedures specified in Section 210-105 of this Part to establish the records required under this subsection.

1) Any owner or operator of a printing line which is exempted from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section shall comply with the following:

- A) By a date consistent with Section 210-106 of this Part, the owner or operator of a heatset web offset lithographic printing line to which subsection (c) of this Section is applicable shall certify to the Agency that the heatset web offset lithographic printing line is exempt under the provisions of subsection (a) of this Section. Such certification shall include:

- i) A declaration that the heatset web offset lithographic printing line is exempt from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section and
- ii) Calculations which demonstrate that total maximum theoretical emissions of VOM from the heatset web offset lithographic printing line at the source never exceed 90.7 Mg (100 tons) per calendar year before the application of air pollution control equipment. Total maximum theoretical emissions of VOM for a heatset web offset lithographic printing source is the sum of maximum theoretical emissions of VOM from each heatset web offset lithographic printing line at the source. The following equation shall be used to calculate total maximum theoretical emissions

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this Section is applicable shall collect and record all of the following information each year for each printing line and maintain the information at the source for a period of three years:

- †† the name and identification of each fountain solution and ink as applied on each printing line;
- †† the VGM content and the volume of each fountain solution and ink as applied each year on each printing line;

†† On and after a date consistent with Section 210-106 of this Part, the owner or operator of a source exempted from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section shall notify the Agency of any record showing that total maximum theoretical emissions of VGM from all printing lines exceed 90.77 Mg (100 tons) in any calendar year in the absence of an identification control equipment by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

2† Any owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of a subsection (b)(1) of this Section shall comply with the following:

A† By a date consistent with Section 210-106 of this Part, or upon initial start-up of a new printing line or upon changing the method of compliance for an existing printing line from subsection (b)(1) to (b)(2) of this Section, the owner or operator of the subject printing line shall perform all tests and observations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(1) of this Section on and after a date consistent with Section 210-106 of this Part, or on and after the initial start-up date.

B† On and after a date consistent with Section 210-106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(1) of this Section shall collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:

- †† Control device monitoring data;
- †† A log of operating time for the control device;
- ††† A maintenance log for the control device and monitoring equipment and the associated printing line;
- ††† A maintenance log for the control device detailing nonroutine maintenance performed during the duration of any outages.

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†† On and after a date consistent with Section 210-106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

- †† Any record showing violation of subsection (b)(1) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation;
- †† At least 30 calendar days before changing the method of compliance with subsection (b) of this Section from subsection (b)(1) to (b)(2) of this Section, the owner or operator shall comply with all requirements of subsection (b)(1) of this Section.

†† Upon changing the method of compliance with subsection (b) of this Section from subsection (b)(1) to (b)(2) of this Section, the owner or operator shall comply with all requirements of subsection (b)(2) of this Section.

3† Any owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of a subsection (b)(2) of this Section shall comply with the following:

A† By a date consistent with Section 210-106 of this Part, or upon initial start-up of a new printing line or upon changing the method of compliance for an existing printing line from subsection (b)(1) to (b)(2) of this Section, the owner or operator of the subject printing line shall perform all tests and observations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(1) of this Section on and after a date consistent with Section 210-106 of this Part, or on and after the initial start-up date.

B† On and after a date consistent with Section 210-106 of this Part, or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(2) of this Section shall collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:

- †† the VGM content of the fountain solution used each day on each printing line;
- †† A log of operating time for the control device and the associated printing line;
- ††† A maintenance log for the control device detailing routine and nonroutine maintenance performed during the duration of any outages.

†† On and after a date consistent with Section 210-106 of this Part, the owner or operator of a subject printing line shall



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offset lithographic printing lines) at the source never exceed 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices. To determine a source's total maximum theoretical emissions of VOM for the purposes of this subsection, the owner or operator shall use the calculations set forth in Section 218.406(b)(1)(A)(ii) of this Subpart; or

B) Federally enforceable permit conditions or SIP revision for all heatset web offset lithographic printing line(s) at the source requires the owner or operator to limit production or capacity of these printing line(s) to total VOM emissions of 90.7 Mg/yr (100 Tpy) or less, before the application of capture systems and control devices;

2) All owners or operators of heatset web offset, non-heatset web offset, or sheet-fed offset lithographic printing line(s), unless the combined emissions of VOM from all lithographic printing line(s) at the source (including solvents used for cleanup operations associated with the lithographic printing line(s)) never exceed 45.5 kg/day (100 lbs/day), as determined in accordance with Section 218.411(a)(1)(B), before the application of capture systems and control devices.

e) If a lithographic printing line at a source is or becomes subject to one or more of the limitations in Sections 218.406 or 218.407 of this Subpart, the lithographic printing line(s) at the source are always subject to the applicable provisions of this Subpart.

(Source: Amended 19 Ill. Reg. 6848.1 effective MAY 09 1995)

Section 218.406 Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996

a) Emission Standards and Limitations. No owner or operator of a heatset web offset printing line at a source that meets or exceeds the applicability levels in Section 218.405(a) of this Subpart may cause or allow the operation of such heatset web offset printing line(s) unless the owner or operator meets the requirements in subsections (a)(1) or (a)(2) of this Section and the requirements in subsections (a)(3) and (a)(4) of this Section. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 218.105(a), (d), and (f) of this Part and by complying with the recordkeeping and reporting requirements specified in subsection (b) of this Section.

- 1) An afterburner system is installed and operated that reduces 90 percent of the VOM emissions (excluding methane and ethane) from the dryer exhaust; or
- 2) The fountain solution contains no more than 8 percent, by weight, of VOM and a condensation recovery system is installed and

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notify the Agency in the following instances:  
 +) Any record showing violation of subsection (b)(2) shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation;

+++ At least 30 calendar days before changing the method of compliance with subsection (b) of this Section from subsection (b)(2) to (b)(1) of this Section, the owner or operator shall comply with all requirements of subsection (c)(2)(A) of this Section. Upon changing the method of compliance with subsection (b) of this Section from subsection (b)(2) to (b)(1) of this Section, the owner or operator shall comply with all requirements of subsection (c)(2) of this Section.

d) Compliance Schedule. Every owner or operator of a heatset web offset lithographic printing line shall comply with the applicable requirements of subsections (b) and (c) of this Section in accordance with the applicable compliance schedule specified in subsection (d)(1)-(d)(3) or (d)(3) below:

+) No owner or operator of a heatset web offset lithographic printing line which is exempt from the limitations of subsection (b) of this Section because of the criteria in subsection (a) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with and continues to comply with subsection (a)(1) and (c)(1) of this Part.

2) No owner or operator of a heatset web offset lithographic printing line complying by means of subsection (b)(1) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with and continues to comply with subsection (b)(1)-(b)(3) and (c)(2) of this Section.

3) No owner or operator of a heatset web offset lithographic printing line complying by means of subsection (b)(2) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with and continues to comply with subsection (b)(2)-(b)(3) and (c)(3) of this Section.

c) On and after March 15, 1996, every owner or operator of lithographic printing line(s) is subject to the recordkeeping and reporting requirements in Section 218.411 of this Subpart.

d) On and after March 15, 1996, Sections 218.407 through 218.411 of this Subpart shall apply to:

- 1) All owners or operators of heatset web offset lithographic printing line(s) unless:
  - A) Total maximum theoretical emissions of VOM from all heatset web offset lithographic printing lines (including solvents used for cleanup operations associated with heatset web



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operated that removes at least 75 percent of the non-isopropyl alcohol organic materials from the dryer exhaust; and

- 3) The control device is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to manufacturer's specifications at all times when the control device is in use; and

- 4) The control device is operated at all times when the printing line is in operation.

- b) Recordkeeping and Reporting. The VOM content of each fountain solution and ink and the efficiency of each control device shall be determined by the applicable test methods and procedures specified in Section 218.105 of this Part to establish the records required under this subsection.

- 1) Any owner or operator of a lithographic printing line which is exempted from the limitations of subsection (a) of this Section because of the criteria in 218.405(a) of this Subpart shall comply with the following:

- A) By a date consistent with Section 218.106 of this Part, the owner or operator of a heatset web offset lithographic printing line to which subsection (b)(1) of this Section is applicable shall certify to the Agency that the heatset web offset lithographic printing line is exempt under the provisions of Section 218.405(a) of this Subpart. Such certification shall include:

- i) A declaration that the heatset web offset lithographic printing line is exempt from the limitations of subsection (a) of this Section because of the criteria in Section 218.405(a) of this Subpart; and

- ii) Calculations which demonstrate that total maximum theoretical emissions of VOM from all heatset web offset lithographic printing lines at the source never exceed 90.7 Mg (100 tons) per calendar year before the application of air pollution control equipment. Total maximum theoretical emissions of VOM for a heatset web offset lithographic printing source is the sum of maximum theoretical emissions of VOM from each heatset web offset lithographic printing line at the source. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year in the absence of air pollution control equipment for each heatset web offset lithographic printing line at the source:

$$E[p] = (A \times B) + [(C \times D) + 1095 (F \times G \times H)]$$

100

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where:

$E[p]$  = Total maximum theoretical emissions of VOM from one heatset web offset printing line in units of kg/yr (lb/yr);

A = Weight of VOM per volume of solids of ink with the highest VOM content as applied each year on the printing line in units of kg/l (lb/gal) of solids;

B = Total volume of solids for all inks that can potentially be applied each year on the printing line in units of l/yr (gal/yr). The instrument or method by which the owner or operator accurately measured or calculated the volume of each ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency;

C = The weight percent VOM of the fountain solution with the highest VOM content;

D = The total volume of fountain solution that can potentially be used each year on the printing line in units of l/yr (gal/yr). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each fountain solution used and the amount that can potentially be used each year on the printing line shall be described in the certification to the Agency;

F = Weight of VOM per volume of material for the cleanup material or solvent with the highest VOM content as used each year on the printing line in units of kg/l (lb/gal) of such material;

G = The greatest volume of cleanup material or solvent used in any 8-hour period; and

H = The highest fraction of cleanup material or solvent which is not recycled or recovered for offsite disposal during any 8-hour period.

- B) On and after a date consistent with Section 218.106 of this Part, the owner or operator of a heatset web offset lithographic printing line to which subsection (b)(1) of this Section is applicable shall collect and record all of the following information each year for each printing line and maintain the information at the source for a period of three years:

- i) The name and identification of each fountain solution and ink as applied on each printing line; and
- ii) The VOM content and the volume of each fountain solution and ink as applied each year on each printing line.

- C) On and after a date consistent with Section 218.106 of this

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Part, the owner or operator of a source exempted from the limitations of subsection (a) of this Section because of the criteria in Section 218.405(a) of this Subpart shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all heatset web offset lithographic printing lines exceed 90.7 Mg (100 tons) in any calendar year in the absence of air pollution control equipment by sending a copy of such record to the Agency within 30 days after the exceedence occurs.

2) Any owner or operator of a printing line subject to the limitations of subsection (a) of this Section and complying by means of subsection (a)(1) of this Section shall comply with the following:

A) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (a)(2) to (a)(1) of this Section, perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (a)(1) of this Section on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date;

B) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:

- i) Control device monitoring data;
- ii) A log of operating time for the control device, monitoring equipment and the associated printing line; and
- iii) A maintenance log for the control device and monitoring equipment detailing all routine and nonroutine maintenance performed including dates and duration of any outages;

C) On and after a date consistent with Section 218.106 of this Part, notify the Agency in the following instances:

- i) Any violation of subsection (a)(1) of this Section shall be reported to the Agency, in writing, within 30 days following the occurrence of the violation;
- ii) Any record showing a violation of subsection (a)(1) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation; and
- iii) At least 30 calendar days before changing the method of compliance with subsection (a) of this Section from subsection (a)(1) to (a)(2) of this Section, the owner

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or operator shall comply with all requirements of subsection (b)(3)(A) of this Section. Upon changing the method of compliance with subsection (a) of this Section from subsection (a)(1) to (a)(2) of this Section, the owner or operator shall comply with all requirements of subsection (b)(3) of this Section.

3) Any owner or operator of a printing line subject to the limitations of subsection (a) of this Section and complying by means of subsection (a)(2) of this Section shall:

A) By a date consistent with Section 218.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (a)(1) to (a)(2) of this Section, perform all tests and submit to the Agency and the USEPA the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (a)(2) of this Section on and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date;

B) On and after a date consistent with Section 218.106 of this Part, or on and after the initial start-up date, collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:

- i) The VOM content of the fountain solution used each day on each printing line;
- ii) A log of operating time for the control device and the associated printing line; and
- iii) A maintenance log for the control device detailing all routine and nonroutine maintenance performed including dates and duration of any outages;

C) On and after a date consistent with Section 218.106 of this Part, notify the Agency in the following instances:

- i) Any violation of subsection (a)(2) shall be reported to the Agency, in writing, within 30 days following the occurrence of the violation;
- ii) Any record showing a violation of subsection (a)(2) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation; and
- iii) At least 30 calendar days before changing the method of compliance with subsection (a) of this Section from subsection (a)(2) to (a)(1) of this Section, the owner or operator shall comply with all requirements of subsection (b)(2)(A) of this Section. Upon changing the method of compliance with subsection (a) of this Section from subsection (a)(2) to (a)(1) of this Section, the owner or operator shall comply with all



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- c) Compliance Schedule. Every owner or operator of a heatset web offset lithographic printing line shall comply with the applicable requirements of subsections (a) and (b) of this Section in accordance with the applicable compliance schedule specified in subsections (c)(1), (c)(2), or (c)(3) of this Section:
- 1) No owner or operator of a heatset web offset lithographic printing line which is exempt from the limitations of subsection (a) of this Section because of the criteria in Section 218.405(a) of this Subpart shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 218.405(a) and 218.406(b)(1) of this Subpart.
  - 2) No owner or operator of a heatset web offset lithographic printing line complying by means of subsection (a)(1) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsections (a)(1), (a)(3), (a)(4) and (b)(2) of this Section.
  - 3) No owner or operator of a heatset web offset lithographic printing line complying by means of subsection (a)(2) of this Section shall operate said printing line on or after a date consistent with Section 218.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsections (a)(2), (a)(3), (a)(4) and (b)(3) of this Section.

(Source: Added at 19 Ill. Reg. **6848**, effective **MAY 09 1995**)

### Section 218.407 Emission Limitations and Control Requirements for Lithographic Printing Lines On and After March 15, 1996

- a) On and after March 15, 1996, no owner or operator of lithographic printing line(s) subject to the requirements of this Subpart shall:
  - 1) Cause or allow the operation of any heatset web offset lithographic printing line unless:
    - A) The total VOM content in the as-applied fountain solution meets one of the following conditions:
      - i) 1.6 percent or less, by volume;
      - ii) 3 percent or less, by volume, and the temperature of the fountain solution is maintained below 15.6° C (60° F), measured at the reservoir or the fountain tray; or
      - iii) 5 percent or less, by volume, and the as-applied fountain solution contains no alcohol;
    - B) The air pressure in the dryer is maintained lower than the air pressure of the press room, such that air flow through all openings in the dryer, other than the exhaust, is into the dryer at all times when the printing line is operating;

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- C) An afterburner is installed and operated so that VOM emissions (excluding methane and ethane) from the press dryer exhaust(s) are reduced by 90 percent, by weight, or to a maximum afterburner exhaust outlet concentration of 20 ppmv (as carbon);
  - D) The afterburner is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) of this Part and the monitoring equipment is installed, calibrated, operated, and maintained according to manufacturer's specifications at all times when the afterburner is in use; and
  - E) The afterburner is operated at all times when the printing line is in operation:
- 2) Cause or allow the operation of any non-heatset web offset lithographic printing line unless the VOM content of the as-applied fountain solution is 5 percent or less, by volume, and the as-applied fountain solution contains no alcohol;
  - 3) Cause or allow the operation of any sheet-fed offset lithographic printing line unless:
    - A) The VOM content of the as-applied fountain solution is 5 percent or less, by volume; or
    - B) The VOM content of the as-applied fountain solution is 8.5 percent or less, by volume, and the temperature of the fountain solution is maintained below 15.6° C (60° F), measured at the reservoir or the fountain tray;
  - 4) Cause or allow the use of a cleaning solution on any lithographic printing line unless:
    - A) The VOM content of the as-used cleaning solution is less than or equal to 30 percent, by weight; or
    - B) The VOM composite partial vapor pressure of the as-used cleaning solution is less than 10 mmHg at 20° C (68° F);
  - 5) Cause or allow VOM containing cleaning materials, including used cleaning towels, associated with any lithographic printing line to be kept, stored or disposed of in any manner other than in closed containers.
  - b) An owner or operator of a heatset web offset lithographic printing line subject to the requirements of subsection (a)(1)(C) of this Section may use a control device other than an afterburner, if:
    - 1) The control device reduces VOM emissions from the press dryer exhaust(s) by at least 90 percent, by weight, or to a maximum control device exhaust outlet concentration of 20 ppmv (as carbon);
    - 2) The owner or operator submits a plan to the Agency detailing appropriate monitoring devices, test methods, recordkeeping requirements, and operating parameters for the control device; and
    - 3) The use of the control device with testing, monitoring, and recordkeeping in accordance with this plan is approved by the



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Method 25 must be used except under the following circumstances, in which case Method 25A must be used:

- A) The allowable outlet concentration of VOM from the control device is less than 50 ppmv, as carbon;
- B) The VOM concentration at the inlet of the control device and the required level of control result in exhaust concentrations of VOM of 50 ppmv, or less, as carbon; and
- C) Due to the high efficiency of the control device, the anticipated VOM concentration at the control device exhaust is 50 ppmv or less, as carbon, regardless of inlet concentration. If the source elects to use Method 25A under this option, the exhaust VOM concentration must be 50 ppmv or less, as carbon, and the required destruction efficiency must be met for the source to have demonstrated compliance. If the Method 25A test results show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, a retest is required. The retest shall be conducted using either Method 25 or Method 25A. If the retest is conducted using Method 25A and the test results again show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, the source must retest using Method 25.

- 4) Notwithstanding the criteria or requirements in Method 25 which specifies a minimum probe temperature of 129°C (265°F), the probe must be heated to at least the gas stream temperature of the dryer exhaust, typically close to 176.7°C (350°F);
- 5) During testing, the printing line(s) shall be operated at representative operating conditions and flow rates; and
- 6) During testing, an air flow direction indicating device, such as a smoke stick, shall be used to demonstrate 100 percent emissions capture efficiency for the dryer in accordance with Section 218.407(a)(1)(B) of this Subpart.

c) Testing to demonstrate compliance with the VOM content limitations in Section 218.407(a)(1)(A), (a)(2), (a)(3) and (a)(4)(A) of this Subpart, and to determine the VOM content of fountain solutions, fountain solution additives, cleaning solvents, cleaning solutions, and inks (pursuant to the requirements of Section 218.411(a)(1)(B) of this Subpart), shall be conducted upon request of the Agency, as follows:

- 1) The applicable test methods and procedures specified in Section 218.105(a) of this Part shall be used; provided, however, Method 24, incorporated by reference at Section 218.112 of this Part, shall be used to demonstrate compliance; or
- 2) The manufacturer's specifications for VOM content for fountain solution additives, cleaning solvents, and inks may be used if such manufacturer's specifications are based on results of tests of the VOM content conducted in accordance with methods specified

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Agency and USEPA as federally enforceable permit conditions.

(Source: Added at 19 Ill. Reg. **6848**, effective **MAY 09 1995**)

**Section 218.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996**

- a) Every owner or operator of a lithographic printing line subject to one or more of the control requirements of Section 218.407 of this Subpart shall comply with the applicable requirements of Sections 218.407 through 218.411 of this Subpart on and after March 15, 1996, or upon initial start-up, whichever is later.
- b) No owner or operator of a lithographic printing line which is exempt from the limitations of Section 218.407 of this Subpart because of the criteria in Section 218.405(d) of this Subpart, shall operate said printing line on or after March 15, 1996, unless the owner or operator has complied with, and continues to comply with, Sections 218.405(d) and 218.411(a) of this Subpart.

(Source: Added at 19 Ill. Reg. **6848**, effective **MAY 09 1995**)

**Section 218.409 Testing for Lithographic Printing On and After March 15, 1996**

- a) Testing to demonstrate compliance with the requirements of Section 218.407 of this Subpart shall be conducted by the owner or operator within 90 days after a request by the Agency. Such testing shall be conducted at the expense of the owner or operator and the owner or operator shall notify the Agency in writing 30 days in advance of conducting such testing to allow the Agency to be present during such testing.

b) The methods and procedures of Section 218.105(d) and (f) shall be used for testing to demonstrate compliance with the requirements of Section 218.407(a)(1)(C) or (b)(1) of this Subpart, as follows:

- 1) To select the sampling sites, Method 1 or 1A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference at Section 218.112 of this Part. The sampling sites for determining efficiency in reducing VOM from the dryer exhaust shall be located between the dryer exhaust and the control device inlet, and between the outlet of the control device and the exhaust to the atmosphere;
- 2) To determine the volumetric flow rate of the exhaust stream, Method 2, 2C, or 2D, as appropriate, 40 CFR 60, Appendix A, incorporated by reference at Section 218.112 of this Part;
- 3) To determine the VOM concentration of the exhaust stream entering and exiting the control device, Method 25 or 25A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference at Section 218.112 of this Part. For thermal and catalytic afterburners,

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in Section 218.105(a) of this Part; provided, however, Method 24 shall be used to determine compliance.

- d) Testing to demonstrate compliance with the requirements of Section 218.407(b) of this Subpart shall be conducted as set forth in the owner or operator's plan approved by the Agency and USEPA as federally enforceable permit conditions pursuant to Section 218.407(b) of this Subpart.

- e) Testing to determine the VOM composite partial vapor pressure of cleaning solvents, cleaning solvent concentrates, and as-used cleaning solutions shall be conducted in accordance with the applicable methods and procedures specified in Section 218.110 of this Part.

(Source: Added 19 Ill. Reg. **6848**, effective **MAY 09 1995**)

## Section 218.410 Monitoring Requirements for Lithographic Printing

- a) Fountain Solution Temperature.

- 1) The owner or operator of any lithographic printing line(s) relying on the temperature of the fountain solution to demonstrate compliance shall install, maintain, and continuously operate a temperature monitor of the fountain solution in the reservoir or fountain tray, as applicable.

- 2) The temperature monitor must be capable of reading with an accuracy of 0.3°C or 0.5°F, and must be attached to an automatic, continuous recording device such as a strip chart, recorder, or computer, with at least the same accuracy, that is installed, calibrated and maintained in accordance with the manufacturer's specifications. If the automatic, continuous recording device malfunctions, the owner or operator shall record the temperature of the fountain solution at least once every two operating hours. The automatic, continuous recording device shall be repaired or replaced as soon as practicable.

- b) Fountain Solution VOM Content. The owner or operator of any lithographic printing line(s) subject to Section 218.407(a)(1)(A), (a)(2) or (a)(3) of this Subpart shall:

- 1) For a fountain solution to which VOM is not added automatically:  
 A) Maintain records of the VOM content of the fountain solution in accordance with Section 218.411(c)(2)(C); or  
 B) Take a sample of the as-applied fountain solution from the fountain tray or reservoir, as applicable, each time a fresh batch of fountain solution is prepared or each time VOM is added to an existing batch of fountain solution in the fountain tray or reservoir, and shall determine compliance with the VOM content limitation of the as-applied fountain solution by using one of the following options:  
 i) With a refractometer or hydrometer with a visual,

analog, or digital readout and with an accuracy of 0.5

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percent. The refractometer or hydrometer must be calibrated with a standard solution for the type of VOM used in the fountain solution, in accordance with manufacturer's specifications, against measurements performed to determine compliance. The refractometer or hydrometer must be corrected for temperature at least once per 8-hour shift or once per batch of fountain solution prepared or modified, whichever is longer; or

- ii) With a conductivity meter if it is demonstrated that a refractometer and hydrometer cannot distinguish between compliant and noncompliant fountain solution for the type and amount of VOM in the fountain solution. A source may use a conductivity meter if it demonstrates that both hydrometers and refractometers fail to provide significantly different measurements for standard solutions containing 95 percent, 100 percent and 105 percent of the applicable VOM content limit. The conductivity meter reading for the fountain solution must be referenced to the conductivity of the incoming water. A standard solution shall be used to calibrate the conductivity meter for the type of VOM used in the fountain solution, in accordance with manufacturer's specifications;

- 2) For fountain solutions to which VOM is added at the source with automatic feed equipment, determine the VOM content of the as-applied fountain solution based on the setting of the automatic feed equipment which makes additions of VOM up to a pre-set level. The equipment used to make automatic additions must be installed, calibrated, operated and maintained in accordance with manufacturer's specifications.

- c) Afterburners For Heatset Web Offset Lithographic Printing Line(s). If an afterburner is used to demonstrate compliance, the owner or operator of a heatset web offset lithographic printing line subject to Section 218.407(a)(1)(C) of this Subpart shall:

- 1) Install, calibrate, maintain, and operate temperature monitoring device(s) with an accuracy of 3°C or 5°F on the afterburner in accordance with Section 218.105(d)(2) of this Part and in accordance with the manufacturer's specifications. Monitoring shall be performed at all times when the afterburner is operating; and

- 2) Install, calibrate, operate and maintain, in accordance with manufacturer's specifications, a continuous recorder on the temperature monitoring device(s), such as a strip chart, recorder or computer, with at least the same accuracy as the temperature monitor.

- d) Other Control Devices for Heatset Web Offset Lithographic Printing



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Line(s).  
If a control device other than an afterburner is used to demonstrate compliance, the owner or operator of a heatset web offset lithographic printing line subject to this Subpart shall install, maintain, calibrate and operate such monitoring equipment as set forth in the owner or operator's plan approved by the Agency and USEPA pursuant to Section 218.407(b) of this Subpart.

e) Cleaning Solution.

1) The owner or operator of any lithographic printing line relying on the VOM content of the cleaning solution to comply with Section 218.407(a)(4)(A) of this Subpart must:

A) For cleaning solutions that are prepared at the source with equipment that automatically mixes cleaning solvent and water (or other non-VOM):

i) Install, operate, maintain, and calibrate the automatic feed equipment in accordance with manufacturer's specifications to regulate the volume of each of the cleaning solvent and water (or other non-VOM), as mixed; and

ii) Pre-set the automatic feed equipment so that the consumption rates of the cleaning solvent and water (or other non-VOM), as applied, comply with Section 218.407(a)(4)(A) of this Subpart;

B) For cleaning solutions that are not prepared at the source with automatic feed equipment, keep records of the usage of cleaning solvent and water (or other non-VOM) as set forth in Section 218.411(d)(2) of this Subpart.

2) The owner or operator of any lithographic printing line relying on the vapor pressure of the cleaning solution to comply with Section 218.407(a)(4)(B) of this Subpart must keep records for such cleaning solutions used on any such line(s) as set forth in Section 218.411(d)(2)(C) of this Subpart.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

Section 218.411 Recordkeeping and Reporting for Lithographic Printing

a) An owner or operator of lithographic printing line(s) exempt from the limitations of Section 218.407 of this Subpart because of the criteria in Section 218.405(d) of this Subpart shall comply with the following:

1) By March 15, 1996, upon initial start-up of a new lithographic printing line, and upon modification of a lithographic printing line, submit a certification to the Agency that includes:

A) A declaration that the source is exempt from the control requirements in Section 218.407 of this part because of the criteria in Section 218.405(d) of this Subpart;

B) Calculations which demonstrate that combined emissions of

VOM from all lithographic printing lines (including inks, fountain solutions, and solvents used for cleanup operations associated with the lithographic printing lines) at the source never exceed 45.5 kg/day (100 lbs/day) before the use of capture systems and control devices, as follows:

i) To calculate daily emissions of VOM, the owner or operator shall determine the monthly emissions of VOM from all lithographic printing lines at the source (including solvents used for cleanup operations associated with the lithographic printing lines) and divide this amount by the number of days during that calendar month that printing lines at the source were in operation;

ii) To determine the VOM content of the inks, fountain solution additives and cleaning solvents, the tests methods and procedures set forth in Section 218.409(c) of this Subpart shall be used;

iii) To determine VOM emissions from inks used on lithographic printing line(s) at the source, an ink emission adjustment factor of 0.05 shall be used in calculating emissions from all non-heatset inks, and a factor of 0.80 shall be used in calculating emissions from all heatset inks to account for VOM retention in the substrate. The VOM content of the ink, as used, shall be multiplied by this factor to determine the amount of VOM emissions from the use of ink on the printing line(s); and

iv) To determine VOM emissions from fountain solutions and cleaning solvents used on lithographic printing line(s) at the source, no retention factor is used;

C) Either a declaration that the source, through federally enforceable permit conditions, has limited its maximum theoretical emissions of VOM from all heatset web offset lithographic printing lines (including solvents used for cleanup operations associated with heatset web offset printing lines) at the source to no more than 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices or calculations which demonstrate that the source's total maximum theoretical emissions of VOM do not exceed 90.7 Mg/yr (100 Tpy). To determine the source's total maximum theoretical emissions for the purposes of this subsection, the owner or operator shall use the calculations set forth in Section 218.406(b)(1)(A)(ii) of this Subpart; and

D) A description and the results of all tests used to determine the VOM content of inks, fountain solution additives, and cleaning solvents, and a declaration that all such tests have been properly conducted in accordance with Section



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218.409(c)(1) of this Subpart;

- 2) On and after March 15, 1996, collect and record either the information specified in subsection (a)(2)(A) or (a)(2)(B) of this Section for all lithographic printing lines at the source:

A) Standard recordkeeping, including the following:

- i) The name and identification of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;
- ii) A daily record which shows whether a lithographic printing line at the source was in operation on that day;
- iii) The VOM content and the volume of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;
- iv) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month; and

- v) The VOM emissions in lbs/day for the month, calculated in accordance with Section 218.411(a)(1)(B) of this Subpart;

B) Purchase and inventory recordkeeping, including the following:

- i) The name, identification, and VOM content of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;
- ii) Inventory records from the beginning and end of each month indicating the total volume of each fountain solution additive, lithographic ink, and cleaning solvent to be used on any lithographic printing line at the source;
- iii) Monthly purchase records for each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line at the source;
- iv) A daily record which shows whether a lithographic printing line at the source was in operation on that day;
- v) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month based on the monthly inventory

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and purchase records required to be maintained pursuant to subsections (a)(2)(B)(i), (a)(2)(B)(ii) and (a)(2)(B)(iii) of this Section; and

vi) The VOM emissions in lbs/day for the month, calculated in accordance with Section 218.411(a)(1)(B) of this Subpart;

- 3) On and after March 15, 1996, notify the Agency in writing if the combined emissions of VOM from all lithographic printing lines (including inks, fountain solutions, and solvents used for cleanup operations associated with the lithographic printing lines) at the source ever exceed 45.5 kg/day (100 lbs/day), before the use of capture systems and control devices, within 30 days after the event occurs. Such notification shall include a copy of all records of such event.

b) An owner or operator of a heatset web offset lithographic printing line(s) subject to the control requirements of Section 218.407(a)(1)(C) or (b)(1) of this Subpart shall comply with the following:

- 1) By March 15, 1996, upon initial start-up of a new printing line, and upon initial start-up of a new control device for a heatset web offset printing line, submit a certification to the Agency that includes the following:

A) An identification of each heatset web offset lithographic printing line at the source;

B) A declaration that each heatset web offset lithographic printing line is in compliance with the requirements of Section 218.407(a)(1)(B), (a)(1)(C), (a)(1)(D) and (a)(1)(E) or (b) of this Subpart, as appropriate;

C) The type of afterburner or other approved control device used to comply with the requirements of Section 218.407(a)(1)(C) or (b)(1) of this Subpart;

D) The control requirements in Section 218.407(a)(1)(C) or (b)(1) of this Subpart with which the lithographic printing line is complying;

E) The results of all tests and calculations necessary to demonstrate compliance with the control requirements of Section 218.407(a)(1)(C) or (b)(1) of this Subpart, as applicable; and

F) A declaration that the monitoring equipment required under Section 218.407(a)(1)(D) or (b) of this Subpart, as applicable, has been properly installed and calibrated according to manufacturer's specifications;

- 2) If testing of the afterburner or other approved control device is conducted pursuant to Section 218.409(b) of this Subpart, the owner or operator shall, within 90 days after conducting such testing, submit a copy of all test results to the Agency and shall submit a certification to the Agency that includes the following:

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A) A declaration that all tests and calculations necessary to demonstrate whether the lithographic printing line(s) is in compliance with Section 218.407(a)(1)(C) or (b)(1) of this Subpart, as applicable, have been properly performed;

B) A statement whether the lithographic printing line(s) is or is not in compliance with Section 218.407(a)(1)(C) or (b)(1) of this Subpart, as applicable; and

C) The operating parameters of the afterburner or other approved control device during testing, as monitored in accordance with Section 218.410(c) or (j) of this Subpart, as applicable;

3) On and after March 15, 1996, collect and record daily the following information for each heatset web offset lithographic printing line subject to the requirements of Section 218.407(a)(1)(C) or (b)(1) of this Subpart:

A) Afterburner or other approved control device monitoring data in accordance with Section 218.410(c) or (d) of this Subpart, as applicable;

B) A log of operating time for the afterburner or other approved control device, monitoring equipment, and the associated printing line;

C) A maintenance log for the afterburner or other approved control device and monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of any outages; and

D) A log detailing checks on the air flow direction or air pressure of the dryer and press room to insure compliance with the requirements of Section 218.407(a)(1)(B) of this Subpart at least once per 24-hour period while the line is operating;

4) On and after March 15, 1996, notify the Agency in writing of any violation of Section 218.407(a)(1)(C) or (b)(1) of this Subpart within 30 days after the occurrence of such violation. Such notification shall include a copy of all records of such violation;

5) If changing its method of compliance between subsections (a)(1)(C) and (b) of Section 218.407 of this Subpart, certify compliance for the new method of compliance in accordance with subsection (b)(1) of this Section at least 30 days before making such change, and perform all tests and calculations necessary to demonstrate that such printing line(s) will be in compliance with the requirements of Section 218.407(a)(1)(B), (a)(1)(C), (a)(1)(D) and (a)(1)(E) of this Subpart, or Section 218.407(b) of this Subpart, as applicable.

c) An owner or operator of a lithographic printing line subject to Section 218.407(a)(1)(A), (a)(2), or (a)(3) of this Subpart, shall:

1) By March 15, 1996, and upon initial start-up of a new lithographic printing line, certify to the Agency that fountain

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solutions used on each lithographic printing line will be in compliance with the applicable VOM content limitation. Such certification shall include:

A) Identification of each lithographic printing line at the source, by type, e.g., heatset web offset, non-heatset web offset, or sheet-fed offset;

B) Identification of each centralized fountain solution reservoir and each lithographic printing line that it serves;

C) The VOM content limitation with which each fountain solution will comply;

D) Initial documentation that each type of fountain solution will comply with the applicable VOM content limitation, including copies of manufacturer's specifications, test results, if any, formulation data and calculations;

E) Identification of the method that will be used to demonstrate continuing compliance with the applicable limitation, e.g., a refractometer, hydrometer, conductivity meter, or recordkeeping procedures with detailed description of the compliance methodology; and

F) A sample of the records that will be kept pursuant to Section 218.411(C)(2) of this Subpart.

2) On and after March 15, 1996, collect and record the following information for each fountain solution:

A) The name and identification of each batch of fountain solution prepared for use on one or more lithographic printing lines, the lithographic printing line(s) or centralized reservoir using such batch of fountain solution, and the applicable VOM content limitations for the batch;

B) If an owner or operator uses a hydrometer, refractometer, or conductivity meter, pursuant to Section 218.410(b)(1)(B), to demonstrate compliance with the applicable VOM content limit in Section 218.407(a)(1)(A), (a)(2), or (a)(3) of this Subpart:

i) The date and time of preparation, and each subsequent modification, of the batch;

ii) The results of each measurement taken in accordance with Section 218.410(b) of this Subpart;

iii) Documentation of the periodic calibration of the meter in accordance with the manufacturer's specifications, including date and time of calibration, personnel conducting, identity of standard solution, and resultant reading; and

iv) Documentation of the periodic temperature adjustment of the meter, including date and time of adjustment, personnel conducting and results;

C) If the VOM content of the fountain solution is determined pursuant to Section 218.410(b)(1)(A) of this Subpart, for



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each batch of as-applied fountain solution:

- i) Date and time of preparation and each subsequent modification of the batch;
- ii) Volume and VOM content of each component used in, or subsequently added to, the fountain solution batch;
- iii) Calculated VOM content of the as-applied fountain solution; and
- iv) Any other information necessary to demonstrate compliance with the applicable VOM content limits in Section 218.407(a)(1)(A), (a)(2) and (a)(3) of this Subpart, as specified in the source's operating permit.

D) If the owner or operator relies on the temperature of the fountain solution to comply with the requirements in Section 218.407(a)(1)(A)(ii) or (a)(3)(B) of this Subpart:

- i) The temperature of the fountain solution at each printing line, as monitored in accordance with Section 218.410(a); and
- ii) A maintenance log for the temperature monitoring devices and automatic, continuous temperature recorders detailing all routine and non-routine maintenance performed, including dates and duration of any outages;

3) Notify the Agency in writing of any violation of Section 218.407 of this Subpart within 30 days after the occurrence of such violation. Such notification shall include a copy of all records of such violation; and

4) If changing its method of demonstrating compliance with the applicable VOM content limitations in Section 218.407 of this Subpart, or changing the method of demonstrating compliance with the VOM content limitations for fountain solutions pursuant to Section 218.409 of this Subpart, certify compliance for such new method(s) in accordance with subsection (c)(1) of this Section within 30 days after making such change, and perform all tests and calculations necessary to demonstrate that such printing line(s) will be in compliance with the applicable requirements of Section 218.407 of this Subpart.

d) For lithographic printing line cleaning operations, an owner or operator of a lithographic printing line subject to the requirements of Section 218.407 of this Subpart shall:

- 1) By March 15, 1996, or upon initial start-up of a new lithographic printing line, certify to the Agency that all cleaning solutions, and the handling of cleaning materials, will be in compliance with the requirements of Section 218.407(a)(4)(A) or (a)(4)(B) and (a)(5) of this Subpart, and such certification shall also include:

A) Identification of each VOM-containing cleaning solution used on each lithographic printing line;

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B) The limitation with which each VOM-containing cleaning solution will comply, i.e., the VOM content or vapor pressure;

C) Initial documentation that each VOM-containing cleaning solution will comply with the applicable limitation, including copies of manufacturer's specifications, test results, if any, formulation data and calculations;

D) Identification of the method that will be used to demonstrate continuing compliance with the applicable limitations;

E) A sample of the records that will be kept pursuant to Section 218.411(d)(2) of this Subpart; and

F) A description of the practices that assure that VOM-containing cleaning materials are kept in closed containers;

2) On and after March 15, 1996, collect and record the following information for each cleaning solution used on each lithographic printing line:

A) For each cleaning solution for which the owner or operator relies on the VOM content to demonstrate compliance with Section 218.407(a)(4)(A) of this Subpart and which is prepared at the source with automatic equipment:

- i) The name and identification of each cleaning solution;
- ii) The VOM content of each cleaning solvent in the cleaning solution, as determined in accordance with Section 218.409(c) of this Subpart;

iii) Each change to the setting of the automatic equipment, with date, time, description of changes in the cleaning solution constituents (e.g., cleaning solvents), and a description of changes to the proportion of cleaning solvent and water (or other non-VOM);

iv) The proportion of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution;

v) The VOM content of the as-used cleaning solution, with supporting calculations; and

vi) A calibration log for the automatic equipment, detailing periodic checks;

B) For each batch of cleaning solution for which the owner or operator relies on the VOM content to demonstrate compliance with Section 218.407(a)(4)(A) of this Subpart, and which is not prepared at the source with automatic equipment:

- i) The name and identification of each cleaning solution;
- ii) Date and time of preparation, and each subsequent modification, of the batch;
- iii) The VOM content of each cleaning solvent in the cleaning solution, as determined in accordance with



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Section 218.409(c) of this Subpart:

iv) The total amount of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution; and

v) The VOM content of the as-used cleaning solution, with supporting calculations;

C) For each batch of cleaning solution for which the owner or operator relies on the vapor pressure of the cleaning solution to demonstrate compliance with Section 218.407(a)(4)(B) of this Subpart:

i) The name and identification of each cleaning solution;

ii) Date and time of preparation, and each subsequent modification, of the batch;

iii) The molecular weight, density, and VOM composite partial vapor pressure of each cleaning solvent, as determined in accordance with Section 218.409(e) of this Subpart;

iv) The total amount of each cleaning solvent used to prepare the as-used cleaning solution; and

v) The VOM composite partial vapor pressure of each as-used cleaning solution, as determined in accordance with Section 218.409(e) of this Subpart;

D) The date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control VOM emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any;

3) On and after March 15, 1996, notify the Agency in writing of any violation of Section 218.407 of this Subpart within 30 days after the occurrence of such violation. Such notification shall include a copy of all records of such violation; and

4) If changing its method of demonstrating compliance with the requirements of Section 218.407(a)(4) of this Subpart, or changing between automatic and manual methods of preparing cleaning solutions, certify compliance for such new method in accordance with subsection (d)(1) of this Section, within 30 days after making such change, and perform all tests and calculations necessary to demonstrate that such printing line(s) will be in compliance with the applicable requirements of Section 218.407(a)(4) of this Subpart.

e) The owner or operator shall maintain all records required by this Section at the source for a minimum period of three years and shall make all records available to the Agency upon request.

(Source: Added 19 Ill. Reg. 6848, effective

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SUBPART C: 5BAK9-PROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER

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MANUFACTURING PLANT

Section 218.431 Applicability

a) The provisions of Sections 218.431 through 218.436 of this Subpart shall apply to:

1) Every owner or operator of any chemical manufacturing process unit that manufactures, as a primary product, one or more of the chemicals listed in Appendix A of this Part and that chemical manufacturing process unit causes or allows any reactor or distillation unit, either individually or in tandem, to discharge one or more process vent streams either directly to the atmosphere or to a recovery system.

2) All continuous distillation and reactor process emission units not subject to Section 218.520 through 218.527 of this Part, and located within Stepan Company's Millsdale manufacturing facility, Elwood, Illinois.

b) Notwithstanding subsection (a) of this Section, the control requirements set forth within Section 218.432 of this Subpart shall not apply to the following:

1) Any process vent stream with a total resource effectiveness (TRE) index value greater than 1.0. However, such process vent stream remains subject to the performance testing requirements contained in Section 218.433 of this Subpart and the reporting and recordkeeping requirements contained in Section 218.435 of this Subpart;

2) Any reactor or distillation unit that is designed and operated as a batch operation;

3) Any reactor or distillation unit that is part of a polymer manufacturing operation;

4) Any reactor or distillation unit that is part of the chemical manufacturing process unit with a total design capacity of less than 1 gigagram (1,100 tons) per year for all chemicals produced, as a primary product, within that process unit. However, such operations remain subject to the reporting and recordkeeping requirements contained in Section 218.435(d) of this Subpart;

5) Any vent stream with a flow rate less than 0.0085 scfm or a VOM concentration of less than 500 ppmv, less methane and ethane, as measured by Method 18, or a concentration of VOM of less than 250 ppmv as measured by Method 25A. However, such operations remain subject to the performance testing requirement listed in Section 218.433 of this Subpart, as well as the reporting and recordkeeping requirements contained in Section 218.435 of this Subpart; or

6) Any reactor or distillation unit included within an Early Reduction Program, as specified in 40 CFR 61, and published in 57 Fed. Reg. 61970 (October 22, 1993), evidenced by a timely enforceable commitment approved by USEPA.

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(Source: Added at 19 Ill. Reg. 6848, effective  
MAY 09 1995)

Section 218.432 Control Requirements

- a) Every owner or operator of a source subject to the requirements of this Subpart, as determined by Section 218.431 of this Subpart, shall either:

- 1) Reduce emissions of VOM, less methane or ethane, by 98 weight-percent, or to 20 ppmv, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent;
- 2) If a boiler or process heater is used to comply with this Subpart, the vent stream shall be introduced into the flame zone of the boiler or process heater; or
- 3) If a flare is used to comply with this Subpart, it shall comply with the requirements of 40 CFR 60.18, incorporated by reference at Section 218.112 of this Part. The flare operation requirements of 40 CFR 60.18 do not apply if a process, not subject to this Subpart, vents an emergency relief discharge into a common flare header and causes the flare servicing the process subject to this Subpart to not comply with one or more of the provisions of 40 CFR 60.18.

- b) Notwithstanding subsection (a) or (c) of this Section, and subject to subsection (b)(2) of this Section:

- 1) No owner or operator of a source subject to Section 218.432 of this Subpart shall cause or allow VOM to be emitted through an existing control device unless the control device is operated to achieve:

- A) 90 percent control of the VOM emissions vented to it; or
- B) VOM emissions concentration of less than 50 ppmv, on a dry basis.

- 2) Any existing control device subject to subsection (a) of this Section is required to meet the 98 percent emissions limit set forth in subsection (a)(1) upon the earlier to occur of the date the control device is replaced for any reason, including, but not limited to, normal maintenance, malfunction, accident, and obsolescence, or December 31, 1999. A control device is considered to be replaced when:

- A) All of the device is replaced; or
- B) When the cost to repair the device or the cost to replace part of the device exceeds 50 percent of the cost of replacing the entire device with a device that complies with the 98 percent emissions limitation in subsection (a)(1) of this Section.

- c) For each individual vent stream within a chemical manufacturing process unit with a TRE index value greater than 1.0, the owner or operator shall maintain process vent stream parameters that retain a calculated TRE index value greater than 1.0 by means of recovery. Any

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recovery device shall have as its primary purpose the capture of chemicals for use, reuse or sale. The TRE index value shall be calculated at the outlet of the final recovery device.

(Source: Added at 19 Ill. Reg. 6848, effective  
MAY 09 1995)

Section 218.433 Performance and Testing Requirements

- a) For the purpose of demonstrating compliance with the TRE index value in Section 218.432(c) of this Subpart, an engineering assessment shall be made to determine process vent stream flow rate, net heating value, and VOM emission rate for the representative operating conditions expected to yield the lowest TRE index value. The source shall also calculate the TRE index values pursuant to the equations contained within Appendix G (b)(1) of this Part.

- 1) If the TRE index value calculated using such engineering assessment and the TRE equation in Appendix G (b)(1) of this Part is greater than 4.0, then the owner or operator is exempt from performing the measurements specified in Appendix G (a) of this Part.

- 2) If the TRE index value calculated using such engineering assessment and the TRE equation in Appendix G (b)(1) of this Part is less than or equal to 4.0, then the owner or operator shall perform the measurements specified in Appendix G (a) of this Part. An owner or operator of a source may, in the alternative, elect to comply with the control requirements specified in Section 218.432 of this Subpart rather than performing the measurements in Appendix G (a) of this Part.

- 3) An engineering assessment shall include, but is not limited to, the following:

- A) Previous test results, provided the tests are representative of current operating practices at the chemical manufacturing process unit;

- B) Bench-scale or pilot-scale test data of the process under representative operating conditions;

- C) Maximum flow rate, as stated within a permit limit, applicable to the process vent;

- D) Design analysis based on accepted chemical engineering principles, measurable process parameters, or physical or chemical laws or properties. Examples of analytical methods include, but are not limited to, the following:

- i) Use of material balances based on process stoichiometry to estimate maximum VOM concentrations;
- ii) Estimation of maximum flow rate based on physical equipment design such as pump or blower capacities;
- iii) Estimation of VOM concentrations based on saturation conditions; and



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- iv) Estimation of maximum expected net heating value based on the stream concentration of each organic compound, or, alternatively, as if all VOM in the stream were the compound with the highest heating value.
- E) All data, assumptions, and procedures used in the engineering assessment shall be documented.
- b) For the purpose of demonstrating compliance with the control requirements in Section 218.432 of this Subpart, the chemical manufacturing process unit shall be run at representative operating conditions and flow rates during any performance test.
- c) The following methods in 40 CFR 60, incorporated by reference at Section 218.112 of this Part, shall be used to demonstrate compliance with the reduction efficiency requirement listed in Section 218.432(a)(1) of this Subpart.

1) Method 1 or 1A, incorporated by reference at Section 218.112 of this Part, as appropriate, for selection of the sampling sites. The control device inlet sampling site for determination of vent stream molar composition or VOM content, less methane and ethane, reduction efficiency shall be located after the last recovery device but prior to the inlet of the control device, prior to any dilution of the process vent stream, and prior to release to the atmosphere.

2) Method 2, 2A, 2C or 2D, incorporated by reference at Section 218.112 of this Part, as appropriate, for determination of gas stream volumetric flow rate.

3) The emission rate correction factor, integrated sampling, and analysis procedure of Method 3, incorporated by reference at Section 218.112 of this Part, shall be used to determine the oxygen concentration (40[2d]) for the purpose of determining compliance with the 20 ppmv limitation. The sampling site for determining compliance with the 20 ppmv limitation shall be the same site used for the VOM samples, and samples shall be taken at the same time that the VOM samples are taken. The VOM concentration corrected to 3 percent oxygen (C[c]) shall be computed using the following formula:

$$C[c] = C[VOM] \times \frac{17.9}{20.9 - 40[2d]}$$

where:

C[c] = Concentration of VOM (minus methane and ethane) corrected to 3 percent O<sub>2</sub>, dry basis, ppmv.

C[VOM] = Concentration of VOM (minus methane and ethane), dry basis, ppmv.

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40[2d] = Concentration of oxygen, dry basis, percent by volume.

4) Method 1B, incorporated by reference at Section 218.112 of this Part, to determine the concentration of VOM, less methane and ethane, at the outlet of the control device when determining compliance with the 20 ppmv limitation in Section 218.432(a)(1) of this Subpart, or at both the control device inlet and outlet when the reduction efficiency of the control device is to be determined.

A) The minimum sampling time for each run shall be 1 hour in which either an integrated sample or four grab samples shall be taken. If grab sampling is used then the samples shall be taken at 15-minute intervals.

B) The emission reduction (R) of VOM, less methane and ethane, shall be determined using the following formula:

$$R = \frac{E[i] - E[o]}{E[i]} \times 100$$

where:

R = Emission reduction, percent by weight.

E[i] = Mass rate of VOM (minus methane and ethane) entering the control device, kg VOM/hr.

E[o] = Mass rate of VOM, less methane and ethane, discharged to the atmosphere, kg VOM/hr.

C) The mass rates of VOM (E[i], E[o]) shall be computed using the following formula:

$$E[i] = K[2] \left( \sum_{j=1}^n C[i,j]M[i,j] \right) Q[i]$$

$$E[o] = K[2] \left( \sum_{j=1}^n C[o,j]M[o,j] \right) Q[o]$$

where:

C[i,j], C[o,j] = Concentration of sample component "j" of the gas stream at the inlet and outlet of the control device, respectively, dry basis, ppmv.



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$M[i], M[o]$  = Molecular weight of sample component "j" of the gas stream at the inlet and outlet of the control device, respectively, grams per gram-mole.

$Q[i], Q[o]$  = Flow rate of gas stream at the inlet and outlet of the control device, respectively, dry scm/min.

$R[2]$  =  $2.494 \times 10^{-6}$  (liters per minute)(gram-mole per scm)(kg/g)(min/hr), where standard temperature for (gram-mole per scm) is 20° C.

D) The representative VOM concentration (C[VOM]) is the sum of each of the individual components of VOM (C[j]) and shall be computed for each run using the following:

$$C[VOM] = \sum_{j=1}^n C[j]$$

where:

$C[VOM]$  = Concentration of VOM (minus methane and ethane), dry basis, ppmv.

$C[j]$  = Concentration of sample component "j", dry basis, ppmv.

$n$  = Number of components in the sample.

5) When a boiler or process heater with a design heat input capacity of 44 megawatts or greater, or a boiler or process heater into which the process vent stream is introduced with the primary fuel, is used to comply with the control requirements, an initial performance test is not required.

d) When a flare is used to comply with the control requirements of this rule, the flare shall comply with the requirements of 40 CFR 60.18, incorporated by reference at Section 218.112 of this Part.

(Source: Added at 19 Ill. Reg. **6848**, effective **MAY 09 1995**)

## Section 218.434 Monitoring Requirements

a) The owner or operator of a source subject to the control requirements in Section 218.432 of this Subpart that uses an incinerator to comply with the VOM emission limitation specified in Section 218.432(a)(1) shall install, calibrate, maintain and operate, according to manufacturer's specifications, a temperature monitoring device equipped with a continuous recorder and having an accuracy of  $\pm 1$  percent of the temperature measured expressed in degrees Celsius, or  $\pm 0.5^\circ$  C, whichever is greater.

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1) Where an incinerator other than a catalytic incinerator is used, a temperature monitoring device shall be installed in the firebox.

2) Where a catalytic incinerator is used, temperature monitoring devices shall be installed in the gas stream immediately before and after the catalyst bed.

b) The owner or operator of a source that uses a flare to comply with Section 218.432(a)(2) of this Subpart shall install, calibrate, maintain and operate, according to manufacturer's specifications, a heat-sensing device, such as an ultraviolet beam sensor or thermocouple, at the pilot light to indicate continuous presence of a flame.

c) The owner or operator of a source that uses a boiler or process heater with a design heat input capacity less than 44 megawatts to comply with Section 218.432(a)(1) of this Subpart shall install, calibrate, maintain and operate, according to the manufacturer's specifications, a temperature monitoring device in the firebox. The monitoring device shall be equipped with a continuous recorder with an accuracy of  $\pm 1$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 0.5^\circ$  C, whichever is greater. Any boiler or process heater in which all vent streams are introduced with primary fuel is exempt from this requirement.

d) The owner or operator of a process vent with a TRE index value of 4.0 or less that uses one or more product recovery devices shall install either an organic monitoring device equipped with a continuous recorder or the monitoring equipment specified in subsections (d)(1), (d)(2), (d)(3) or (d)(4) of this Section, depending on the type of recovery device used. All monitoring equipment shall be installed, calibrated and maintained according to the manufacturer's specifications.

1) Where an absorber is the final recovery device in the recovery system, a scrubbing liquid temperature monitoring device and a specific gravity monitoring device, each equipped with a continuous recorder, shall be used.

2) Where a condenser is the final recovery device in the recovery system, a condenser exit (product side) temperature monitoring device equipped with a continuous recorder and having an accuracy of  $\pm 1$  percent of the temperature being monitored expressed in degrees Celsius or  $\pm 0.5^\circ$  C, whichever is greater.

3) Where a carbon adsorber is the final recovery device in the recovery system, an integrating regeneration stream flow monitoring device having an accuracy of  $\pm 10$  percent, capable of recording the total regeneration stream mass flow for each regeneration cycle; and a carbon bed temperature monitoring device having an accuracy of  $\pm 1$  percent of the temperature being monitored expressed in degrees Celsius or  $\pm 0.5^\circ$  C, capable of recording the carbon bed temperature after each regeneration and within 15 minutes of completing any cooling cycle.

4) Where a scrubber is used with an incinerator, boiler, or, in the case of halogenated vent streams, a process heater, the following monitoring equipment is required for the scrubber:

- A) A pH monitoring device equipped with a continuous recorder to monitor the pH of the scrubber effluent; and
- B) Flow meters equipped with a continuous recorder at the scrubber influent for liquid flow and the scrubber inlet for gas stream flow.

e) The owner or operator of a process vent using a vent system that contains bypass lines capable of diverting a vent stream away from the control device associated with a process vent shall comply with either (e)(1) or (e)(2) of this Section. Equipment needed for safety purposes, including, but not limited to, pressure relief devices, are not subject to this subsection.

- 1) The owner or operator shall install, calibrate, maintain and operate a flow indicator that provides a record of vent stream flow at least once every 15 minutes. The flow indicator shall be installed at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere.
- 2) The owner or operator shall secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.

f) The owner or operator of a process vent may monitor by an equivalent alternative means or parameters other than those listed in subsections (a) through (d) of this Section. Any equivalent alternative shall be approved by the Agency and USEPA, and contained in the source's operating permit as federally enforceable permit conditions.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.435. Recordkeeping and Reporting Requirements**

a) Every owner or operator of a reactor or distillation unit with a TRE Index value of 4.0 or less shall keep records, for a minimum of 3 years, of the following parameters measured during a performance test or TRE determination required under Section 218.433 of this Subpart, and required to be monitored under Section 218.434 of this Subpart.

- 1) Every owner or operator of a source that seeks to demonstrate compliance with Section 218.432(a)(1) of this Subpart through the use of either a thermal or catalytic incinerator shall maintain records of the following:

- A) The average firebox temperature of the incinerator (of the average temperature upstream and downstream of the catalyst bed for a catalytic incinerator), measured at least every 15

minutes and averaged over the same time period of the performance testing; and

- B) The percent reduction of VOM determined as specified in Section 218.433(c) of this Subpart achieved by the incinerator, or the concentration of VOM (ppmv, by compound) determined as specified in Section 218.433(c) of this Subpart at the outlet of the control device, on a dry basis, corrected to 3 percent oxygen.

2) Every owner or operator of a source that seeks to demonstrate compliance with Section 218.432(a)(1) of this Subpart through the use of a boiler or process heater shall maintain the records described below. Any boiler or process heater in which all vent streams are introduced with primary fuel are exempt from these requirements.

- A) A description of the location at which the vent stream is introduced into the boiler or process heater; and
  - B) The average combustion temperature of the boiler or process heater with a design heat input capacity of less than 44 megawatt measured at least every 15 minutes and averaged over the same time period of the performance testing.
- 3) Every owner or operator of a source that seeks to demonstrate compliance with Section 218.432(a)(2) of this Subpart through use of a smokeless flare, or flare design (i.e., steam-assisted, air-assisted, or nonassisted), shall maintain records of all visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the performance test, continuous records of the flare pilot flame monitoring, and records of all periods of operations during which the pilot flame is absent.

4) Every owner or operator of a source that seeks to demonstrate compliance with Section 218.432(b) of this Subpart shall maintain records of the following:

- A) Where an absorber is the final recovery device in the recovery system, the exit specific gravity (or alternative parameter which is a measure of the degree of absorbing liquid saturation, if approved by the Agency and USEPA, and average exit temperature of the absorbing liquid measured at least every 15 minutes and averaged over the same time period as the performance testing (both measured while the vent stream is normally routed and constituted);
- B) Where a condenser is the final recovery device in the recovery system, the average exit (product side) temperature measured at least every 15 minutes and averaged over the same time period as the performance testing while the vent stream is normally routed and constituted;
- C) Where a carbon adsorber is the final recovery device in the recovery system, the total stream mass or volumetric flow measured at least every 15 minutes and averaged over the



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same time period as the performance testing (full carbon bed cycle), the temperature of the carbon bed after regeneration (and within 15 minutes of completion of any cooling cycle(s)), and duration of the carbon bed steaming cycle (all measured while the vent stream is normally routed and constituted):

D) As an alternative to subsection (a)(4)(A), (a)(4)(B) or (a)(4)(C) of this Section, the concentration level or reading indicated by the organic monitoring device at the outlet of the absorber, condenser, or carbon absorber, measured at least every 15 minutes and averaged over the same time period as the performance testing (measured while the vent stream is normally routed and constituted); or

E) All measurements and calculations performed to determine the flow rate, VOM concentration, heating value, and TRE index value of the vent stream.

b) Every owner or operator of a reactor or distillation unit with a TRE index value of less than 4.0 shall be subject to the exceedance reporting requirements of the draft Enhanced Monitoring Guidelines as published at 58 Fed. Reg. 54648 (October 22, 1993).

c) Every owner or operator of a source seeking to comply with Section 218.432(b) of this Subpart shall maintain records of the following:

- 1) Any changes in production capacity, feedstock type, catalyst type, or of any replacement, removal, or addition of recovery equipment or reactors and distillation units; and
- 2) Any recalculation of the flow rate, VOM concentration, or TRE index value calculated according to Section (c) of Appendix G of this Part.

d) Every owner or operator of a source claiming a design capacity of less than 1 gigagram (1,100 tons) per year, as contained in Section 218.431(b) of this Subpart, shall maintain records of the design capacity or any changes in equipment or operations that may affect the design capacity.

e) Every owner or operator of a source claiming a vent stream flow rate or vent stream concentration exemption level, as contained in Section 218.431(b)(5) of this Subpart, shall maintain records to indicate that the stream flow rate is less than 0.0085 scm/min or the vent stream concentration is less than 500 ppmv.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.436 Compliance Date**

Every owner or operator of a source subject to Sections 218.431, 218.432, 218.433, 218.434 or 218.435 of this Subpart shall comply with its standards, limitations and mandates by March 15, 1996.

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(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

## SUBPART T: PHARMACEUTICAL MANUFACTURING

**Section 218.480 Applicability**

a) The rules of this Subpart, except for Sections 218.483 through 218.485 of this Part, apply to all emission units of VOM, including but not limited to reactors, distillation units, dryers, storage tanks for VOM, equipment for the transfer of VOM, filters, crystallizers, washers, laboratory hoods, pharmaceutical coating operations, mixing operations and centrifuges used in manufacturing, including packaging, of pharmaceuticals, and emitting more than 6.8 kg/day (15 lbs/day) and more than 2,268 kg/year (2.5 tons/year) of VOM. If such an emission unit emits less than 2,268 kg/year (2.5 tons/year) of VOM, the requirements of this Subpart still apply to the emission unit if VOM emissions from the emission unit exceed 45.4 kg/day (100 lbs/day).

b) Notwithstanding subsection (a) of this Section, the air suspension coater/dryer, fluid bed dryers, tunnel dryers, and Accelacotas located in Libertyville Township, Lake County, Illinois shall be exempt from the rules of this Subpart, except for Sections 218.483 through 218.485, if emissions of VOM not vented to air pollution control equipment do not exceed the following levels:

- 1) For the air suspension coater/dryer: 2,268 kg/year (2.5 tons/year);
- 2) For each fluid bed dryer: 4,535 kg/year (5.0 tons/year);
- 3) For each tunnel dryer: 6,803 kg/year (7.5 tons/year); and
- 4) For each Accelacota: 6,803 kg/year (7.5 tons/year).

c) Sections 218.483 through 218.485 of this Part apply to a source having one or more emission units that:

- 1) Are used to manufacture pharmaceuticals, and
- 2) Emit more than 6.8 kg/day (15 lbs/day) of VOM and more than 2,268 kg/year (2.5 tons/year) of VOM, or, if less than 2,268 kg/year (2.5 tons/year), these Sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).

d) No owner or operator shall violate any condition in a permit when the condition results in exclusion of an emission unit from this Subpart.

e) Any pharmaceutical manufacturing source that becomes subject to the provisions of this Subpart at any time shall remain subject to the provisions of this Subpart at all times.

f) Emissions subject to this Subpart shall be controlled at all times consistent with the requirements set forth in this Subpart.

g) Any control device required pursuant to this Subpart shall be operated at all times when the source it is controlling is operated.

h) Determinations of daily and annual emissions for purposes of this Section shall be made using both data on the hourly emission rate (or the emissions per unit of through put) and appropriate daily and



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annual data from records of emission unit operation (or material through put or material consumption data). In the absence of representative test data pursuant to Section 218.487 of this Part, the hourly emission rate (or the emissions per unit of through put), such items shall be calculated using engineering calculations, including the methods described in Appendix B of "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products" (EPA-450/2-78-029), incorporated by reference in Section 218.112 of this Part. (This subsection shall not affect the Agency's or the USEPA's authority to require emission tests to be performed pursuant to Section 218.487 of this Part.)

- 1) Equipment and operations emitting VOM at a source subject to subsection (a) or (c) of this Section and used to produce pharmaceutical products or a pharmaceutical-like product such as a hormone, enzyme, or antibiotic, shall be deemed to be engaged in the manufacture of pharmaceuticals for the purposes of this Subpart.

(Source: Amended at 19 Ill. Reg. **6848**, effective **MAY 09 1995**)

SUBPART DD: AEROSOL CAN FILLING

Section 218.686 Control Requirements

- a) Every owner or operator of an aerosol can filling line that is filling cans with a propellant which contains propane, butane or other VOM subject to this Subpart shall comply with the following requirements:

- 1) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emission of at least 81% from the propellant filling area, also known as the gas house, on each line; or

- 2) As an alternative to compliance with subsection (a)(1) above of this Subpart, the owner or operator of an aerosol can filling line shall comply with the following requirements:

- A) Fill all cans, other than trial runs of cans to verify product quality, using through-the-valve fill or enhanced under-the-cup fill to minimize loss of VOM propellant; or use a reclamation system to recover surplus VOM propellant; or permit which achieves at least 75% reduction of the emissions of under-the-cup fill;

- B) Fill on a monthly basis at least 90% of cans filled on such aerosol can filling lines that are capable of being filled by the through-the-valve method with through-the-valve fill. All cans shall be considered capable of being filled by the through-the-valve method unless, as demonstrated by the records required by Section 218.692(b)(2) of this Part, the valve assembly is not adaptable to the through-the-valve

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fill; through-the-valve fill cannot be accomplished with at least 85% of the under-the-cup operating rate in cans per minute of filling; and of performance, that is the discharge of the can's contents to accomplish its intended function, is negatively affected by through-the-valve fill considering factors such as propellant solubility in the can's contents and the amount of turbulence which the contents may experience during propellant filling; and

- C) Verify proper filling of cans with a VOM monitoring system in the gas house. This system may monitor VOM concentration as a percentage of the lower explosive limit.

- b) Every owner or operator of a propellant booster pump associated with an aerosol can filling line subject to this Subpart shall comply with one of the following requirements:

- 1) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emission of at least 81% from each pump. If the pumps are located in the gas house of a filling line, compliance with this reduction may be achieved by the combination of the pumps located in the gas house and the propellant filling area; or

- 2) Work practices to prevent leaks from a pump, meaning a loss of VOM from the pump above background levels. Work practices shall include changing seals every four (4) weeks and plungers every 16 weeks unless a pump monitoring procedure approved in a federally enforceable permit establishes otherwise.

(Source: Amended at 19 Ill. Reg. **6848**, effective **MAY 09 1995**)

SUBPART FF: BAKERY OVENS

Section 218.720 Applicability

- a) The provisions of this Subpart shall apply to every owner or operator of a source which operates a bakery oven, as defined at 35 Ill. Admin. Code 211.600, unless the owner or operator of the source is a retail consumer or on-site retail sale.

- b) Notwithstanding subsection (a) of this Section, a source is required to comply with the control requirements of this Subpart only if the source has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in the aggregate, from all emission units at the source; excluding:

- 1) Emission units regulated by Subparts B, E, F, H, Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, 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plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCM batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

- c) Every owner or operator of a source which has limited its potential to emit below 22.7 Mg (25 tons) of VOM per year, as specified in subsection (b) of this Section, through federally enforceable permit conditions is not required to comply with this Subpart.

- d) Every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria in subsection (b) of this Section remains subject to the recordkeeping and reporting requirements of Section 218.728(b) of this Subpart and the certification requirements in Section 218.730(d) of this Subpart.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

Section 218.722 Control Requirements

- a) Every owner or operator of a source subject to the control requirements of this Subpart shall comply with the requirements of subsection (a)(1) or (a)(2) of this Section for each bakery oven with a rated heat input capacity of at least 2 mmbtu/hr or at least 586 kw:

- 1) Operate emissions capture and control equipment which achieves an overall reduction in uncontrolled VOM emissions of at least 81 percent from each such bakery oven; or

- 2) Provide an equivalent alternative control plan for such bakery ovens at the source which has been approved by the Agency and USEPA through federally enforceable permit conditions or as a SIP revision.

- b) An owner or operator of a source subject to the control requirements of this Subpart may elect to exempt from the control requirements in subsections (a)(1) or (a)(2) and (c)(1) or (c)(2) of this Section any bakery oven with actual VOM emissions less than or equal to 15 TPY, provided that the total actual VOM emissions from all such exempt bakery ovens never exceed 25 TPY.

- c) Notwithstanding the requirements in subsection (a) of this Section, until March 15, 1998, only, a source may elect to comply with the control requirements in subsection (c)(1) or (c)(2) of this Section, rather than the control requirements in subsection (a)(1) or (a)(2) of this Section, if all emission units at the source, in the aggregate, excluding emission units regulated by Subparts B, E, F, H (excluding Section 218.405 of this Subpart), O, R, S, T (excluding Section 218.486 of this Subpart), V, X, Y, Z or BB of this Part, have maximum theoretical emissions of less than 90.7 Mg (100 tons) of VOM per year or are limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment

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through production or capacity limitations contained in federally enforceable permit conditions or in a SIP revision:

- 1) Operate emissions capture and control equipment which achieves an overall reduction in uncontrolled VOM emissions of at least 60 percent from each bakery oven with a rated heat input capacity of at least 2 mmbtu/hr or at least 586 kW; or

- 2) Provide an equivalent alternative control plan for such bakery ovens at the source which has been approved by the Agency and USEPA through federally enforceable permit conditions or as a SIP revision.

- d) Any bakery oven that becomes subject to the requirements of this Subpart at any time shall remain subject to the requirements of this Subpart at all times thereafter.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

Section 218.726 Testing

- a) Upon request by the Agency, the owner or operator of a bakery oven shall, at its own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 218.105(f) of this Part to demonstrate compliance with the control requirements of this Subpart and shall:

- 1) Notify the Agency 30 days prior to conducting such tests; and  
2) Submit all test results to the Agency within 45 days after conducting such tests.

- b) Nothing in this Section shall limit the authority of USEPA pursuant to the Clean Air Act (CAA) to require testing, or shall affect the authority of USEPA under Section 114 of the CAA (42 U.S.C. 7414 (1990)).

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

Section 218.727 Monitoring

- a) Every owner or operator of a bakery oven subject to the control requirements of this Subpart shall install and operate at all times a device to continuously monitor the following parameters for each type of control device as follows:

- 1) For catalytic oxidizers, the inlet and outlet temperatures of the oxidizer;  
2) For regenerative oxidizers, the temperature in the combustion chamber; or  
3) For thermal incinerators, the temperature in the combustion chamber.

- b) The owner or operator may monitor with an alternative method or



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monitor other parameters if approved by the Agency and USEPA through federally enforceable permit conditions or as a SIP revision.

(Source: Added 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.728 Recordkeeping and Reporting**

a) Every owner or operator of a bakery oven shall maintain the following records for the most recent consecutive 3 year period for all bakery ovens subject to the control requirements of this Subpart. Such records shall be made available to the Agency immediately upon request.

- 1) Parameters for control devices as monitored pursuant to Section 218.727 of this Subpart;
- 2) Hrs/day of operation of each bakery oven;
- 3) Factors necessary to calculate VOM emissions for all bakery ovens including, but not limited to, type of dough used for each yeast-leavened baked product, initial yeast percentage for each product, total fermentation time for each product, any additional percentage of yeast added, and the fermentation time of any additional yeast;
- 4) Calculated daily VOM emissions of each bakery oven expressed as lbs/day;
- 5) Total amount of each type of yeast-leavened bread product produced by each bakery oven expressed as lbs/day.

b) Every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria in Section 218.720(b) of this Subpart shall maintain records necessary to demonstrate that its potential to emit is less than 22.7 Mg (25 tons) of VOM per year, as specified in Section 218.720(b). Such records shall be maintained for the most recent consecutive 3 year period and shall be made available to the Agency immediately upon request.

c) Every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria specified in Section 218.722(b) of this Subpart shall:

- 1) Maintain records necessary to demonstrate that the actual VOM emissions from exempt bakery ovens are less than or equal to 15 TPY for each bakery oven and less than or equal to 25 TPY from all exempt bakery ovens combined. Such records shall be maintained for the most recent consecutive 3 year period and shall be made available to the Agency immediately upon request; and
- 2) Notify the Agency in writing if the actual VOM emissions from an exempt bakery oven ever exceed 15 TPY or the actual VOM emissions from a combination of exempt bakery ovens ever exceed 25 TPY, within 30 days after the exceedance occurs. Such notice shall include a copy of all records of the exceedance.

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d) Every owner or operator of a bakery oven which is controlling emissions as provided in Section 218.722(c) of this Subpart until March 15, 1998, shall maintain records necessary to demonstrate that its maximum theoretical emissions as specified in Section 218.722(c) are less than 90.7 Mg (100 tons) of VOM per year. Such records shall be maintained for the most recent consecutive 3 year period and shall be made available to the Agency immediately upon request.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.729 Compliance Date**

On and after March 15, 1996, upon initial startup or upon modification, every owner or operator of a source subject to this Subpart shall comply with the requirements of this Subpart.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.730 Certification**

a) Every owner or operator of a source subject to the control requirements of this Subpart shall certify compliance with this Subpart on or before a date consistent with Section 218.729 of this Subpart.

b) If an owner or operator of a bakery oven subject to the control requirements of this Subpart changes the method of compliance, the owner or operator shall certify compliance with the requirements of this Subpart for the alternative method upon changing the method of compliance.

c) All certifications of compliance with this Subpart shall include the results of all tests and the calculations performed to demonstrate that each oven at the source is in compliance with, or is exempt from, the control requirements of this Subpart. The certification shall include the following:

- 1) The name and identification number of each oven and any associated capture and control device;
- 2) The maximum rated heat input of each oven;
- 3) A classification of each oven as either a "bakery oven" as defined in 35 Ill. Adm. Code 211.680 or an oven used exclusively to bake non-yeast-leavened products;
- 4) The capture and control efficiency of each bakery oven control device;
- 5) Test reports, calculations and other data necessary to demonstrate that the capture and control efficiency of each bakery oven control device achieves an overall reduction in uncontrolled VOM emissions of at least 81 percent; and



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- 6) The date each bakery oven control device was installed and operating.
- d) On or before March 15, 1996, or upon initial startup, every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria in Section 218.720(b) of this Subpart shall certify that its potential to emit is less than 22.7 Mg (25 tons) of VOM per year, as specified in Section 218.720(b).
- e) On or before March 15, 1996, or upon initial startup, every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria specified in Section 218.722(b) of this Subpart shall certify that actual VOM emissions from any individual exempt bakery oven never exceed 15 TPY and that VOM emissions from all exempt bakery ovens, in the aggregate, never exceed 25 TPY.
- f) On or before March 15, 1996, or upon initial startup if prior to March 15, 1998, every owner or operator of a bakery oven which is controlling emissions as provided by Section 218.722(c) of this Subpart shall certify that its maximum theoretical emissions as specified in Section 218.722(c) are less than 90.7 Mg (100 tons) of VOM per year.

(Source: Added at 19 Ill. Reg. **6848**, effective  
MAY 09 1995)

## SUBPART HH: MOTOR VEHICLE REFINISHING

## Section 218.780 Emission Limitations

- a) Except as provided in Section 218.782 of this Subpart, no owner or operator of a motor vehicle refinishing operation shall coat motor vehicles, mobile equipment, or their parts and components, unless all coatings, except touch-up coatings, never exceed the VOM content limitations in this Section, expressed as units of VOM per volume of coating applied at each coating applicator, minus water and any compounds that are specifically exempted from the definition of VOM. The VOM content limitations are as follows:

	kg/l	(lb/gal)
1) Pretreatment wash primer	0.78	(6.5)
2) Precoat	0.66	(5.5)
3) Primer/primer surfacer		
coating	0.58	(4.8)
primer sealer	0.55	(4.6)
5) Topcoat system or basecoat/clearcoat	0.60	(5.0)
6) Three or four stage topcoat system	0.63	(5.2)

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- 7) Specialty coatings 0.84 (7.0)
- 8) Anti-glare/safety coating 0.84 (7.0)
- b) All coating shall be used according to manufacturer's specifications. If a coating requires the addition of a reducer, hardener, or other additive, in some combination, this addition must not cause the coating, as applied, to exceed the applicable VOM content limitation. Specialty coatings shall represent no more than 5 percent, by volume, of all coatings applied at a source on a monthly basis.
- d) The following equations shall be used to calculate the VOM content of topcoat systems:
- 1) The VOM content of basecoat/clearcoat systems shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following equation:

$$\text{VOM } T[\text{bc/cc}] = (\text{VOM}[\text{bc}] + 2 \text{ VOM}[\text{cc}]) / 3$$

Where:

$\text{VOM } T[\text{bc/cc}]$  = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat (bc) and clearcoat (cc) system;

$\text{VOM}[\text{bc}]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given basecoat; and

$\text{VOM}[\text{cc}]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given clearcoat.

- 2) The VOM content for a three stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following formula:

$$\text{VOM } T[\text{ms}] = (\text{VOM}[\text{bc}] + \text{VOM}[\text{mc}] + 2 \text{ VOM}[\text{cc}]) / 4$$

Where:

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- $VOM\ T[ms]$  = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat, midcoat and clearcoat system;
- $VOM[bc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given basecoat;
- $VOM[mc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given midcoat; and
- $VOM[cc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given clearcoat.
- 3) The VOM content for a four stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following formula:
- $$VOM\ T[ms] = (VOM[bc] + VOM[mc] + VOM[cc]) / 5$$
- Where:  
 $VOM\ T[ms]$  = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat, midcoats and clearcoat system;
- $VOM[bc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given basecoat;

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- $VOM[mcl]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the first midcoat;
- $VOM[mc2]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the second midcoat; and
- $VOM[cc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given clearcoat.
- (Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)
- Section 218.782 Alternative Control Requirements**
- As an alternative to complying with the VOM content limitations in Section 218.780 of this Subpart, the owner or operator of a motor vehicle refinishing operation may operate control equipment that reduces VOM emissions at the source by at least 90 percent as provided in either subsection (a) or (b) of this Section.
- a) An owner or operator may operate an afterburner or carbon adsorber; or
- b) An owner or operator may use an equivalent alternative control plan, other than an afterburner or carbon adsorber, if approved by the Agency and USEPA through federally enforceable permit conditions.
- (Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)
- Section 218.784 Equipment Specifications**
- Every owner or operator of a motor vehicle refinishing operation, unless the source uses less than 20 gallons of coating per calendar year from all motor vehicle refinishing operations combined, shall:
- a) Coat motor vehicles, mobile equipment, or their parts and components using one of the following coating applicators:
- 1) Electrostatic spray equipment calibrated, operated and maintained in accordance with the manufacturer's specifications; or
  - 2) High Volume Low Pressure (HVLP) spray equipment calibrated, operated and maintained in accordance with the manufacturer's specifications; and

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- b) Clean all coating applicators with a device that:
- 1) Recirculates solvent during the cleaning process;
  - 2) Collects spent solvent so it is available for disposal or recycling; and
  - 3) Minimizes evaporation of solvents during cleaning, rinsing, draining, and storage.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.786 Surface Preparation Materials**

Every owner or operator of a motor vehicle refinishing operation only shall use surface preparation materials that never exceed the following VOM content limitations for the specified substrate:

a) Plastic parts	kg/l	(lb/gal)
b) Other substrates	0.78	(6.5)
	0.17	(1.4)

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.787 Work Practices**

- a) Every owner or operator of a motor vehicle refinishing operation shall ensure that fresh and spent solvent, cloth or paper used to apply solvents for surface preparation or cleanup, waste paint, and sludge are stored in closed containers.

- b) Every owner or operator of a motor vehicle refinishing operation that is exempt from the equipment specifications in Section 218.784 of this Subpart because it uses less than 20 gallons of coating per year shall direct solvent used to clean coating applicator equipment and paint lines into a container for proper disposal or recycling.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.788 Testing**

- a) Upon request by the Agency, the owner or operator of a motor vehicle refinishing operation shall, at its own expense, conduct tests to demonstrate compliance with Sections 218.780, 218.782 or 218.786 of this Subpart, in accordance with the applicable test methods and procedures specified in Section 218.105 of this Part and shall:

- 1) Notify the Agency 30 days prior to conducting such tests; and
- 2) Submit all test results to the Agency within 45 days after conducting the requisite tests.

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- b) For purposes of this Section, surface preparation materials shall be treated as coatings.
- c) Nothing in this Section shall limit the authority of USEPA pursuant to the Clean Air Act, as amended, to require testing, or shall affect the authority of USEPA under Section 114 of the Clean Air Act (42 U.S.C. 7414 (1990)).

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.789 Monitoring and Recordkeeping for Control Devices**

- a) Every owner or operator of a motor vehicle refinishing operation that complies with this Subpart pursuant to Section 218.782 of this Subpart shall:

- 1) Install and operate equipment to continuously monitor each control device as specified in Section 218.105(d)(2)(A) of this Part;
- 2) Keep records of parameters for control devices as monitored pursuant to subsection (a)(1) of this Section;
- 3) Keep logs of operating time of the control device and monitoring equipment;
- 4) Keep logs of maintenance of the control device and monitoring equipment; and
- 5) Maintain all records required in this Section for the most recent consecutive three year period and make all such records available to the Agency immediately upon request.

- b) An owner or operator may monitor with an alternative method or monitor other parameters than specified in subsection (a)(1) of this Section, if approved by the Agency and USEPA through federally enforceable permit conditions.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 09 1995)

**Section 218.790 General Recordkeeping and Reporting**

On and after the compliance date specified in Section 218.791 of this Subpart, every owner or operator of a motor vehicle refinishing operation shall maintain the following records for the most recent consecutive 3 years. Such records shall be made available to the Agency immediately upon request:

- a) The name and manufacturer of each coating and surface preparation product used at the source each month;
- b) The volume of each category of coating, as set forth in Section 218.780 of this Subpart, purchased by the source each month;
- c) The coating mixing instructions, as stated on the container, in literature supplied with the coating, or otherwise specified by the manufacturer, for each coating purchased by the source each month;



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- d) comply with Section 218.784(a) of this Subpart, if applicable;
- 4) A description of all cleanup operations at the source, including equipment used to comply with Section 218.784(b) of this Subpart, if applicable;
- 5) A description of all work practices at the source used to comply with Section 218.787 of this Subpart;
- 6) If a source claims to be exempt from the equipment requirements in Section 218.784 of this Subpart because it uses less than 20 gallons of coating per year, the owner's or operator's certification that the annual usage is below this level;
- 7) A written declaration stating whether the source is complying with this Subpart by using coatings that comply with the applicable VOM content limits in Section 218.780 of this Subpart or by control equipment as specified in Section 218.782; and
- 8) A description of any control devices used to comply with Section 218.782 of this Subpart and the date(s) the device was installed and became operational.
- b) At least 30 calendar days before changing the method of compliance to or from Sections 218.790 and 218.782, the owner or operator of a motor vehicle refinishing operation shall notify the Agency and certify that the source is in compliance with the applicable requirements for the new method of compliance.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 0 9 1995)

Section 218.966 Control Requirements

Every owner or operator of a miscellaneous organic chemical manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) below of this Section.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or
- (Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 218.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)
- b) An equivalent alternative control plan which has been approved by the Agency and the USEPA in federally enforceable permit or as a SIP revision.
- c) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures by March 15, 1995:

- 1) Repair any component from which a leak of VOM can be observed. The repair shall be completed as soon as practicable but no later

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- d) The VOM content, expressed as weight of VOM per volume of coating, minus water and any compounds that are specifically exempted from the definition of VOM, recorded on a monthly basis for:
- 1) Each coating as purchased, if the coating is not mixed with any additives prior to application on the substrate; or
- 2) Each coating after mixing according to manufacturer's instructions as collected pursuant to subsection (c) of this Section;
- e) The weighted average VOM content of the coating, as specified in Section 218.780(d)(1), (d)(2) or (d)(3) of this Subpart, for each basecoat/clearcoat, and three or four stage coating system purchased by the source, recorded on a monthly basis;
- f) The total monthly volume of all specialty coatings purchased and the percentage specialty coatings comprise in the aggregate of all coatings purchased by the source each month;
- g) The volume of each category of surface preparation material, as set forth in Section 218.786 of this Subpart, purchased by the source each month; and
- h) The VOM content, expressed as weight of VOM per volume of material, including water, of each surface preparation material purchased by the source, recorded on a monthly basis.

(Source: Added at 19 Ill. Reg. 6848, effective MAY 0 9 1995)

Section 218.791 Compliance Date

Every owner or operator of a motor vehicle refinishing operation shall comply with the requirements of this Subpart by March 15, 1996, upon modification or upon initial startup.

(Source: Added at 19 Ill. Reg. 6843, effective MAY 0 9 1995)

Section 218.792 Registration

- a) Every owner or operator of a motor vehicle refinishing operation shall register with the Agency on or before the date specified in Section 218.791 of this Subpart and re-register no later than 45 days following the end of each subsequent calendar year. The following information shall be included in this registration:

- 1) The name and address of the source, and the name and telephone number of the person responsible for submitting the registration information;
- 2) A description of all coating operations of motor vehicles, mobile equipment, or their parts or components, and all associated surface preparation operations at the source;
- 3) A description of all coating applicators used at the source to

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than 15 days after the leak is found, unless the leaking component cannot be repaired until the next process unit is shut down, in which case the leaking component must be repaired before the unit is restarted.

- 2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.

- The name and identification of the leaking component;
- The date and time the leak is detected;
- The action taken to repair the leak; and
- The date and time the leak is repaired.

(Source: Amended 19 Ill. Reg. 6848, effective MAY 6 9 1995)

## SUBPART TT: OTHER EMISSION SOURCES UNITS

## Section 218.980 Applicability

- a) Maximum theoretical emissions:

- A source is subject to this Subpart if it contains process emission units not regulated by Subparts B, E, F (excluding Section 218.204(1) of this Part), H (excluding Section 218.405 of this Part), Q, R, S, T (excluding Section 218.486 of this Part), V, X, Y, Z or BB of this Part, which as a group both:

- Have maximum theoretical emissions of 90.7 Mg (100 tons) or more per calendar year of VOM, and
- Are not limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment through production or capacity limitations contained in a federally enforceable permit or a SIP revision.

- If a source is subject to this Subpart as provided above in this Subpart, the requirements of this Subpart shall apply to a source's VOM emission units which are not included within any of the categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, PP, QQ, or RR of this Part or which are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146.

- b) Potential to emit:

- A source is subject to this Subpart if it has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in aggregate, from emission units, other than furnaces at glass container manufacturing sources and VOM leaks from components, that are:

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- Not regulated by Subparts B, E, F, H, Q, R, S, T, (excluding Section 218.486 of this Part), V, X, Y, Z, or BB of this Part, or
  - Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.
- 2) If a source is subject to this Subpart as provided above, the requirements of this Subpart shall apply to a source's VOM emission units, which are:

- Not included within any of the categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, CC, DD, PP, QQ or RR of this Part, or which are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146 (excluding Section 201.146(o) and (p)), or
- Not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

- If a source ceases to fulfill the criteria of subsections (a) and/or (b) above of this Section, the requirements of this Subpart shall continue to apply to an emission unit which was subject to the control requirements of Section 218.986 of this Part.

- No limits under this Subpart shall apply to emission units with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such emission units not complying with Section 218.986 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.

- For the purposes of this Subpart, an emission unit shall be considered regulated by a Subpart, if it is subject to the limits of that Subpart. An emission unit is considered not regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met.

- The control requirements in Subpart TT shall not apply to sewage treatment plants; vegetable oil extraction and processing; coke ovens (including by-product recovery plants); fuel combustion units; bakeries; barge loading facilities; jet engine test cells; production of polystyrene foam insulation board including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the source, but not including blending and preliminary expansion of resin prior to molding where blowing agent is incorporated into the



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polystyrene resin by the producer of the resin; production of polystyrene or polyethylene foam packaging not including blending and preliminary expansion of resin prior to molding where blowing agent is incorporated into the polystyrene resin by the producer of the resin, and not including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the source; and iron and steel production; and furnaces at glass container manufacturing sources.

(Source: Amended at 19 Ill. Reg. 6848, effective MAY 09 1995)

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**Section 218. APPENDIX G TRE Index Measurements for SOCOMI Reactors and Distillation Units**

For purposes of Subpart Q, Sections 218.431 through 218.435, the following apply:

a) The following test methods shall be used to determine compliance with the total resource effectiveness ("TRE") index value:

i) Method 1 or 1A, incorporated by reference at Section 218.112 of this Part, as appropriate, for selection of the sampling site.

A) The sampling site for the vent stream molar composition determination and flow rate prescribed in subsections (a)(2) and (a)(3) of this Appendix shall be, except for the situations outlined in subsection (a)(1)(B), after the final recovery device, if a recovery system is present, prior to the inlet of any control device, and prior to any post-reactor or post-distillation unit introduction of halogenated compounds into the vent stream. No traverse site selection method is needed for vents smaller than 10 cm in diameter.

B) If any gas stream other than the reactor or distillation unit vent stream is normally conducted through the final recovery device:

i) The sampling site for vent stream flow rate and molar composition shall be prior to the final recovery device and prior to the point at which any nonreactor or nondistillation unit vent stream or stream from a nonaffected reactor or distillation unit is introduced. Method 1B incorporated by reference at Section 218.112 of this Part, shall be used to measure organic compound concentrations at this site.

ii) The efficiency of the final recovery device is determined by measuring the organic compound concentrations using Method 1B, incorporated by reference at Section 218.112 of this Part, at the inlet to the final recovery device after the introduction of all vent streams and at the outlet of the final recovery device.

iii) The efficiency of the final recovery device determined according to subsection (a)(1)(B)(ii) of this Appendix shall be applied to the organic compound concentrations measured according to subsection (a)(1)(B)(i) of this Appendix to determine the concentrations of organic compounds from the final recovery device attributable to the reactor or distillation unit vent stream. The resulting organic compound concentrations are then used to perform the calculations outlined in subsection (a)(4) of this Appendix.



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- 2) The molar composition of the vent stream shall be determined as follows:

A) Method 18, incorporated by reference at Section 218.112 of this Part, to measure the concentration of organic compounds including those containing halogens;

B) ASTM D1946-77, incorporated by reference at Section 218.112 of this Part, to measure the concentration of carbon monoxide and hydrogen; and

C) Method 4, incorporated by reference at Section 218.112 of this Part, to measure the content of water vapor.

- 3) The volumetric flow rate shall be determined using Method 2, 2A, 2C, or 2D, incorporated by reference at Section 218.112 of this Part, as appropriate.

- 4) The emission rate of VOM (minus methane and ethane) (E[VOM]) in the vent stream shall be calculated using the following formula:

$$E[VOM] = K[2] \sum_{j=1}^n C[j]M[j] Q[s]$$

where:

E[VOM] = Emission rate of VOM (minus methane and ethane) in the sample, kg/hr.

K[2] = Constant,  $2.494 \times 10^{-6}$  (l/ppmv)(g-mole/scm)(kg/g)(min/hr), where standard temperature for (g-mole/scm) is 20° C.

C[j] = Concentration of compound j, on a dry basis, in ppmv as measured by Method 18, incorporated by reference at Section 218.112 of this Part, as indicated in Section 218.433(C)(3) of this Part.

M[j] = Molecular weight of sample j, g/g-mole.

Q[s] = Vent stream flow rate (scm) at a temperature of 20° C.

- 5) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Method 18, incorporated by reference at Section 218.112 of this Part.

- 6) The net heating value of the vent stream shall be calculated using the following:

$$H[T] = K[1] \sum_{j=1}^n C[j]H[j] (1-B[ws])$$

where:

TRE = TRE index value.

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where:

H[T] = Net heating value of the sample (MJ/scm), where the net enthalpy per mole of vent stream is based on combustion of 25° C and 760 mmHG, but the standard temperature for determining the volume corresponding to one mole is 25° C, as in the definition of Q[s] (vent stream flow rate).

K[1] = Constant,  $1.740 \times 10^{(-7)}$  (ppmv)(-1) (g-mole/scm), (MJ/KCal), where standard temperature for (g-mole/scm) is 20° C.

B[ws] = Water vapor content of the vent stream, proportion by volume; except that if the vent stream passes through a final stream jet and is not condensed, it shall be assumed that B[ws] = 0.023 in order to correct to 2.3 percent moisture.

C[j] = Concentration on a dry basis of compound j in ppmv, as measured for all organic compounds by Method 18, incorporated by reference at Section 218.112 of this Part, and measured for hydrogen and carbon monoxide by using ASTM D1946-77, incorporated by reference at Section 218.112 of this Part.

H[j] = Net heat of combustion of compound j, kCal/g-mole, based on combustion at 25° C and 760 mmHG. The heats of combustion of vent stream components shall be determined using ASTM D2382-83, incorporated by reference at Section 218.112 of this Part, if published values are not available or cannot be calculated.

- b) 1) The TRE index value of the vent shall be calculated using the following:

$$TRE = \frac{1}{E[VOM]} [a + b (Q[s]) + c (H[T]) + d (E[VOM])]$$

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- E[VOM] = Hourly emission rate of VOM (kg/hr) as calculated in subsection (a)(4) of this Appendix.
- Q[s] = Vent stream flow rate scm/min at a standard temperature of 20° C.
- H[T] = Vent stream net heating value (MJ/scm), as calculated in subsection (a)(6) of this Appendix.
- E[VOM] = Hourly emission rate of VOM (minus methane and ethane), (kg/hr) as calculated in subsection (a)(4) of this Appendix.

a, b, c, d = Value of coefficients presented below are:

Type of Stream	Control Device Basis	Value of Coefficients			
		a	b	c	d
Nonhalogenated	Flare	2.129	0.183	-0.005	0.359
	Thermal incinerator zero (0) Percent heat Recovery	3.075	0.021	-0.037	0.018
	Thermal incinerator 70 Percent heat Recovery	3.803	0.032	-0.042	0.007
	Thermal incinerator and scrubber	5.470	0.181	-0.040	0.004
Halogenated					

- 2) Every owner or operator of a vent stream shall use the applicable coefficients identified for values a, b, c and d in subsection (b)(1) of this Appendix to calculate the TRE index value based on a flare, a thermal incinerator with zero percent heat recovery, and a thermal incinerator with 70 percent heat recovery, and shall select the lowest TRE index value.
- 3) Every owner or operator of a reactor or distillation unit with a halogenated vent stream, determined as any stream with a concentration of halogen atoms contained in organic compounds of 200 ppmv or greater, shall use the applicable coefficients identified for values a, b, c and d in subsection (b)(1) of this Appendix to calculate the TRE index value based on a thermal

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- c) Every owner or operator of a source seeking to comply with Section 218.432(b) of this Part shall recalculate the flow rate and VOM concentration for each affected vent stream whenever process changes are made. Examples of process changes include, but are not limited to, changes in production capacity, feedstock type, or catalyst type, or whenever there is replacement, removal, or addition of recovery equipment. The flow rate and VOM concentration shall be recalculated based on test data, or on best engineering estimates of the effects of the change to the recovery system.
- d) Whenever a process change, as defined in Section 218.435(c) of this Subpart, yields a TRE index value of 1.0 or less, the owner or operator shall notify and submit a report to the Agency according to the requirements specified in Section 218.435(c) of this Subpart, within 180 calendar days after the process change and shall conduct a performance test according to the methods and procedures required by Section 218.433 of this Part.
- e) For the purpose of demonstrating that a process vent stream has a VOM concentration below 500 ppmv, the following shall be used:
- 1) The sampling site shall be selected as specified in Section 218.433(c)(1) of this Part.
  - 2) Method 18 or Method 25A of 40 CFR Part 60, Appendix A, incorporated by reference at Section 218.112 of this Part, shall be used to measure concentration; alternatively, any other method or data that has been validated according to the protocol in Method 301 of 40 CFR Part 63, Appendix A, incorporated by reference at Section 218.112 of this Part, may be used.
  - 3) Where Method 18 is used, the following procedures shall be used to calculate ppmv concentration:
    - A) The minimum sampling time for each run shall be 1 hour in which either an integrated sample or four grab samples shall be taken. If grab sampling is used, then the samples shall be taken at approximately equal intervals in time, such as 15 minute intervals during the run.
    - B) The concentration of VOM shall be calculated using Method 18 according to Section 218.433(c)(4) of this Part.
  - 4) Where Method 25A is used, the following procedures shall be used to calculate ppmv VOM concentration:
    - A) Method 25A shall be used only if a single VOM is greater than 50 percent of total VOM, by volume, in the process vent stream.
    - B) The vent stream composition may be determined by either process knowledge, test data collected using an appropriate Reference Method or a method of data collection validated according to the protocol in Method 301 of 40 CFR Part 63, Appendix A, incorporated by reference at Section 218.112 of this Part. Examples of information that constitute process knowledge include calculations based on material balances;

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process stoichiometry, or previous test results provided the results are still relevant to the current process vent stream conditions.

C) The VOM used as the calibration gas for Method 25A shall be the single VOM present at greater than 50 percent of the total VOM by volume.

D) The span value for Method 25A shall be 50 ppmv.

E) Use of Method 25A is acceptable if the response from the high-level calibration gas is at least 20 times the standard deviation of the response from the zero calibration gas when the instrument is zeroed on the most sensitive scale.

F) The concentration of VOM shall be corrected to 3 percent oxygen using the procedures and equation in Section 218.433(c)(3) of this Part.

5) The owner or operator shall demonstrate that the concentration of VOM, including methane and ethane, measured by Method 25A is below 250 ppmv to qualify for the low concentration exclusion in Section 218.431 of this Part.

(Source: Added at 19 Ill. Reg. effective  
MAY 9 1995 )

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Section 218. APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 218.212 Cross-Line Averaging

This Appendix contains limitations for purposes of determining compliance with the requirements in Section 218.212 of this Part. A source must establish that, at very least, each participating coating line used for purposes of cross-line averaging meets the Federal Implementation Plan level of VOM content, as listed below. The emission limitations for participating coating lines that must not be exceeded are as follows:

	kg/l	lb/gal
a) Automobile or Light-Duty Truck Coating		

1) Prime coat	0.14	(1.2)
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2) Primer surface coat	1.81	(15.1)
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(Note: The primer surface coat limitation is in units of kg (lbs) of VOM per 1 (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire primer surface operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 does not apply to the primer surface limitation.)

	kg/l	lb/gal
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3) Topcoat	1.81	(15.1)
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(Note: The topcoat limitation is in units of kg (lbs) of VOM per 1 (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 218.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 218.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 218.205 of this Part does not apply to the topcoat limitation.)

	kg/l	lb/gal
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4) Final repair coat	0.58	(4.8)
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b)	Can Coating	kg/l	lb/gal
1)	Sheet basecoat and overvarnish	0.34	(2.8)
2)	Exterior basecoat and overvarnish	0.34	(2.8)
3)	Interior body spray coat	0.51	(4.2)
4)	Exterior end coat	0.51	(4.2)
5)	Side seam spray coat	0.66	(5.5)
6)	End sealing compound coat	0.44	(3.7)
c)	Paper Coating	kg/l	lb/gal
		0.35	(2.9)

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H: Printing and Publishing, Section 218.401 of this Part.)

d)	<u>Coil Coating</u>	<u>kg/l</u>	<u>lb/gal</u>
		0.31	(2.6)
e)	<u>Fabric Coating</u>	0.35	(2.9)
f)	<u>Vinyl Coating</u>	0.45	(3.8)
g)	<u>Metal Furniture Coating</u>		
	1) <u>Air Dried</u>	0.36	(3.0)
	2) <u>Baked</u>	0.36	(3.0)
h)	<u>Large Appliance Coating</u>		
	1) <u>Air Dried</u>	0.34	(2.8)
	2) <u>Baked</u>	0.34	(2.8)

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

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i)	Magnet Wire Coating	kg/l	lb/gal
		0.20	(1.7)
j)	Miscellaneous Metal Parts and Products Coating		
	1) Clear coating	0.52	(4.3)
	2) Extreme performance coating		
	A) Air Dried	0.42	(3.5)
	B) Baked	0.42	(3.5)
	3) Steel pail and drum interior coating	0.52	(4.3)
	4) All other coatings		
	A) Air Dried	0.42	(3.5)
	B) Baked	0.36	(3.0)
k)	Heavy Off-Highway Vehicle Products Coating	kg/l	lb/gal
	1) Extreme performance prime coat	0.42	(3.5)
	2) Extreme performance top-coat (air dried)	0.42	(3.5)
	3) Final repair coat (air dried)	0.42	(3.5)
4)	All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above.		
l)	Wood Furniture Coating	kg/l	lb/gal
	1) Clear topcoat	0.67	(5.6)
	2) Opaque stain	0.56	(4.7)
	3) Pigmented coat	0.60	(5.0)

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- 4) Repair coat 0.67 (5.6)
- 5) Sealer 0.67 (5.6)
- 6) Semi-transparent stain 0.79 (6.6)
- 7) Wash coat 0.73 (6.1)

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell or disc spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, dip coating application system or high volume low pressure (HVLP) application system.)

## m) Existing Diesel-Electric Locomotive Coating Lines in Cook County

- 1) Extreme performance prime Coat kg/l lb/gal 0.42 (3.5)
- 2) Extreme performance topcoat (air dried) 0.42 (3.5)
- 3) Final repair coat (air dried) 0.42 (3.5)
- 4) High-temperature aluminum coating 0.72 (6.0)
- 5) All other coatings 0.36 (3.0)

## n) Plastic Parts Coating: Automotive/Transportation

- 1) Interiors kg/l lb/gal
- A) Baked
- i) Color coat 0.49 (4.1)
- ii) Primer 0.46 (3.8)

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

- B) Air Dried
- i) Color coat 0.38 (3.2)
- ii) Primer 0.42 (3.5)
- 2) Exteriors (flexible and non-flexible)

- A) Baked
- i) Primer 0.60 (5.0)
- ii) Primer non-flexible 0.54 (4.5)
- iii) Clear coat 0.52 (4.3)
- iv) Color coat 0.55 (4.6)
- B) Air Dried
- i) Primer 0.66 (5.5)
- ii) Clear coat 0.54 (4.5)
- iii) Color coat (red & black) 0.67 (5.6)
- iv) Color coat (others) 0.61 (5.1)

3) Specialty

- A) Vacuum metallizing basecoats, texture basecoats 0.66 (5.5)
- B) Black coatings, reflective argent coatings, air bag cover coatings, and soft coatings 0.71 (5.9)
- C) Gloss reducers, vacuum metallizing topcoats, and texture topcoats 0.77 (6.4)

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

D) Stencil coatings,

adhesion primers,  
ink pad coatings,  
electrostatic prep  
coatings, and resist  
coatings

0.82

(6.8)

E) Head lamp lens

coatings

0.89

(7.4)

O) Plastic Parts Coating: Business Machine

kg/l

lb/gal

1) Primer

0.14

(1.2)

2) Color coat (non-

texture coat)

0.28

(2.3)

3) Color coat (texture

coat)

0.28

(2.3)

4) Electromagnetic

interference/radio  
frequency interference  
(EMI/RFI) shielding coatings

0.48

(4.0)

5) Specialty CoatingsA) Soft coat

0.52

(4.3)

B) Plating resist

0.71

(5.9)

C) Plating sensitizer

0.85

(7.1)\*

(Source: MAY 09 1995 19 Ill.

Req.

6848

effective

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

1) Heading of the Part: Organic Material Emission Standards and Limitations  
for the Metro East Area2) The Code Citation: 35 Ill. Adm. Code 2193) Section Number: Adopted Action:

219.204 Amended

219.205 Amended

219.207 Amended

219.208 Amended

219.210 Amended

219.212 New

219.213 New

219.214 New

219.405 Amended

219.406 New

219.407 New

219.408 New

219.409 New

219.410 New

219.411 New

219.431 New

219.432 New

219.433 New

219.434 New

219.435 New

219.436 New

219.480 Amended

219.720 New

219.722 New

219.726 New

219.727 New

219.728 New

219.729 New

219.730 New

219.780 New

219.782 New

219.784 New

219.786 New

219.787 New

219.788 New

219.789 New

219.790 New

219.791 New

219.792 New

219.926 Amended

219.946 Amended



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219.966 Amended  
 219.980 Amended  
 219.986 Amended  
 219.Appendix G New  
 219.Appendix H New

4) Statutory Authority: 415 ILCS 5/27.

5) Effective Date of Rule(s) (Amendments, Repealer): May 9, 1995

6) Does this rulemaking contain an automatic repeal date? No

7) Does this rule (amendment, repealer) contain incorporation by reference?  
 No

8) Date Filed in Agency's Principal Office: April 20, 1995

9) Notice(s) of Proposal Published in Illinois Register:

18 Ill. Reg. 15274, October 14, 1994:

219.204 Amended  
 219.205 Amended  
 219.207 Amended  
 219.208 Amended  
 219.210 Amended  
 219.212 New  
 219.213 New  
 219.214 New  
 219.431 New  
 219.432 New  
 219.433 New  
 219.434 New  
 219.435 New  
 219.436 New  
 219.686 Amended  
 219.720 New  
 219.722 New  
 219.726 New  
 219.727 New  
 219.728 New  
 219.729 New  
 219.730 New  
 219.926 Amended  
 219.946 Amended  
 219.966 Amended  
 219.980 Amended  
 219.986 Amended  
 219.Appendix G New  
 219.Appendix H New

## POLLUTION CONTROL BOARD

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18 Ill. Reg. 17124, December 2, 1994:

219.405 Amended  
 219.406 New  
 219.407 New  
 219.408 New  
 219.409 New  
 219.410 New  
 219.411 New  
 219.480 Amended

18 Ill. Reg. 17390, December 9, 1994:

219.780 New  
 219.782 New  
 219.784 New  
 219.786 New  
 219.787 New  
 219.788 New  
 219.789 New  
 219.790 New  
 219.791 New  
 219.792 New

10) Has JCAR issued a Statement of Objections to this (these) Rule(s)? No

11) Difference(s) between proposal and final version:

After the Source note add: BOARD NOTE: This Part implements the Environmental Protection Act as of July 1, 1994.

In the Authority note, the following is stricken: (Ill. Rev. Stat. 1991, ch. 111 1/2, pars 1010) (P.A. 87-1213, effective September 26, 1992)

In Section 219.204(b)(1), add:

A) Sheet basecoat 0.34 (2.8)  
 0.26\* (2.2)\*

B) Overvarnish 0.34 (2.8)  
 0.34 (2.8)\*

In Section 219.204(j)(2)(B), 0.36\* should be changed to 0.40\*, and (3.0)\* should be changed to (3.3)\*.

In Section 219.204(j)(4)(A), 0.34\* should be changed to 0.40\*, and (2.8)\* should be changed to (3.3)\*.

In Section 219.204(j)(4)(B), 0.28\* should be changed to 0.34\*, and (2.3)\*

## POLLUTION CONTROL BOARD

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should be changed to (2.8)\*.

In Section 219.204(j), the new subsections (5) and (6) were added.

In Section 219.208, the subsections (c) and (d) were added.

In Section 219.212, (c) is relettered to (d) and a new subsection (c) was added.

In Section 219.212(2), relettered to 219.212(d) above, the reference to "subsection (c)(2) is changed to "subsection (d)(2)" and after "Section" the following sentence is added: All participating coating lines shall be factored in each day to demonstrate compliance. Provided compliance is established pursuant to the requirements in this subsection, nothing in this Section requires daily operation of each participating line.

In Section 219.212(c), relettered to 219.212(d) above, the word "all" is added between "from" and "participating".

In Section 219.213(a)(8), the reference to "Section 219.212(c)(2)(B)" is changed to "Section 219.212(d)(2)(B)".

In Section 219.431(a), after "The" the following is added in place of "requirements": provisions of Sections 219.431 through 219.436.

In Section 219.431(b)(6), "59 Fed.Reg." should be changed to "57 Fed.Reg.".

In Section 219.434(d)(3), "absorber" should be "adsorber".

In Section 219.435(a)(4)(C), "absorber" should be "adsorber".

In Section 219.722, "(b)" was reletter "(d)" and new subsections (b) and (c) were added.

In Section 219.726(a)(2), "30" should become "45".

In Section 219.728, the new subsections (c) and (d) were added.

In Section 219.730, new subsections (e) and (f) were added.

In Section 219.Appendix H, "Base Line" should be one word.

The following changes should be made from the proposal which was published at 18 Ill. Reg. 17124, on December 2, 1994:

In the Table of Contents make the following changes:

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

- a. Section 219.412, delete text.
- b. Section 219.428, capitalize "ended".
- c. Section 219.583, replace "Facilities" with "Operations".
- d. Section 219.621, delete space after "Heatset".
- e. Appendix C, replace "For Air Oxidation Processes" with "and Procedures".

Section 219.405(a), Section 219.405(a)(1), Section 219.405(a)(2) and Section 219.405(b), replace "heatset-web-offset" with "heatset web offset".

Section 219.405(c), delete ", and, if applicable, 218.412".

Section 219.405(d), replace "218.412" with "218.411".

Section 219.405(d)(1)(A), add "lithographic" after "offset".

Section 219.405(d)(2), delete "actual".

Section 219.406(a)(1) and Section 219.407(a)(1)(C), after "emissions" add "(excluding methane and ethane)".

Section 219.406(b)(1)(A)(ii), delete underline of "(A x B) +".

Section 219.406(b)(1)(A)(ii), change "lbs" to "lb", change "Kg VOM/l" to "kg/l" and change "lbs VOM/gal" to "lb/gal" twice.

Section 219.406(b)(1)(A)(ii), change "year" to "yr" and change "Kg" to "kg".

Section 219.406(b)(1)(A)(ii), change "Kg" to "kg" and "lbs VOM" to "lb".

Section 219.406(b)(1)(C), add "lithographic" after "offset", and change "exceedance" to "exceedence".

Sections 219.406(c)(2)(A), 219.406(b)(2)(C)(iii), 219.406(b)(3)(A), 219.406(b)(3)(C)(iii) and 219.406(b)(3)(C)(iii), delete the second "subsection".

Section 219.406(b)(2)(B)(iii), change "nontoutine" to "non-routine".

Section 219.406(b)(3)(C)(ii), change "day" to "days".

Section 219.407(a)(1)(A)(ii), add "w" after "5.6", and add "w" after "60".

Section 219.407(a)(4)(A), delete the second "than".

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

Section 219.408(a), delete ", and, if applicable, 218.412".

Section 219.409(a), replace "upon" with "within 90 days after a" and replace "of" with "by".

Section 219.409(b)(3)(C), replace "Method 25 must instead be used" with "a retest is required. The retest shall be conducted using either Method 25 or Method 25A. If the retest is conducted using Method 25A and the test results again show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, the source must retest using Method 25;".

Section 219.409(b)(6), after "device" add ", such as a smoke stick;".

Section 219.409(e), after "the" add "VOM".

Section 219.410, change "Sections" to "Section".

Section 219.410(a) and 219.410(e), add ". " at the end of the line.

Section 219.410(a)(2), after "specifications." add "If the automatic, continuous recording device malfunctions, the owner or operator shall record the temperature of the fountain solution at least once every two operating hours. The automatic, continuous recording device shall be repaired or replaced as soon as practicable."

Section 219.410(b)(1)(A), replace text with the following:

b) Fountain Solution VOM Content. The owner or operator of any lithographic printing line(s) subject to Section 218.407(a)(1)(A), (a)(2) or (a)(3) of this Subpart shall:

1) For a fountain solution to which VOM is not added automatically:

A) Maintain records of the VOM content of the fountain solution in accordance with Section 218.411(c)(2)(C); or

B) Take a sample of the as-applied fountain solution from the fountain tray or reservoir, as applicable, each time a fresh batch of fountain solution is prepared or each time VOM is added to an existing batch of fountain solution in the fountain tray or reservoir, and shall determine compliance with the VOM content limitation of the as-applied fountain solution by using one of the following options:".

Section 219.410(b)(1)-(2)(B), replace text with the following:

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

2) For fountain solutions to which VOM is added at the source with automatic feed equipment, determine the VOM content of the as-applied fountain solution based on the setting of the automatic feed equipment which makes additions of VOM up to a pre-set level. The equipment used to make automatic additions must be installed, calibrated, operated and maintained in accordance with manufacturer's specifications.

Section 219.410(e)(1)(B) and 219.410(e)(2), delete ", or if applicable, 218.412(d)(2)".

Section 219.411(a)(1)(A) and 219.411(a)(1)(B)(ii), delete "actual".

Section 219.411(a)(1)(B)(iii), replace "ink" with "inks" and after "to determine VOM emissions from" add "ink" after "an".

Section 219.411(a)(2)(A)(ii), 219.411(a)(2)(B)(ii) and 219.411(b)(2), delete "or not".

Section 219.411(a)(2), replace "all of the following" with "either the", add "specified in subsection (a)(2)(A) or (a)(2)(B) of this Section" after "information", and replace "each" with "all".

Section 219.411(a)(2)(A)-(E), replace text with the following:

"A) standard recordkeeping, including the following:

i) The name and identification of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;

ii) A daily record which shows whether or not a lithographic printing line at the source was in operation on that day;

iii) The VOM content and the volume of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;

iv) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month; and

v) The VOM emissions in lbs/day for the month, calculated in accordance with Section 218.411(a)(1)(B) of this Subpart;



## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

## B) Purchase and inventory recordkeeping, including the following:

- i) The name, identification, and VOM content of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;
- ii) Inventory records from the beginning and end of each month indicating the total volume of each fountain solution additive, lithographic ink, and cleaning solvent to be used on any lithographic printing line at the source;
- iii) Monthly purchase records for each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line at the source;
- iv) A daily record which shows whether or not a lithographic printing line at the source was in operation on that day;
- v) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month based on the monthly inventory and purchase records required to be maintained pursuant to subsections (a)(2)(B)(i), (a)(2)(B)(ii) and (a)(2)(B)(iii) of this Section; and
- vi) The VOM emissions in lbs/day for the month, calculated in accordance with Section 219.411(a)(1)(B) of this Subpart;".

Section 219.411(a)(3), delete the word "actual".

Section 219.411(c)(1)(B), add the following:

"B) Identification of each centralized fountain solution reservoir and each lithographic printing line that it serves;"

Section 219.411(b)(2)(A), change "of" to "after".

Section 219.411(c)(1)(B), change "B)" to "C)".

Section 219.411(c)(1)(C), change "C)" to "D)".

Section 219.411(c)(1)(D), change "D)" to "E)".

Section 219.411(c)(1)(E), replace "alternative" with "recordkeeping".

## POLLUTION CONTROL BOARD

## NOTICE OF ADOPTED AMENDMENTS

Section 219.411(c)(1)(E), change "E)" to "F)".

Section 219.411(c)(2), delete "used on each lithographic printing line".

Section 219.411(c)(2)(A), after "on" add "one or more" and replace "line(s)," with "lines, the lithographic printing line(s) or centralized reservoir using such batch of fountain solution,".

Section 219.411(c)(2)(B), replace "(A)" with "(B)".

Section 219.411(c)(2)(C), replace "(2)" with "(1)(A)".

Section 219.411(c)(2)(C)(i), add the following:

"ii) Volume and VOM content of each component used in, or subsequently added to, the fountain solution batch;".

Section 219.411(c)(2)(C)(ii), replace "ii)" with "iii)".

Section 219.411(c)(2)(C)(iii), replace "iii)" with "iv)".

Section 219.411(c)(2)(D)(ii), after "devices" add "and automatic, continuous temperature recorders".

Section 219.411(c)(4) and 219.411(d)(4), replace "at least" with "within", and replace "before" with "after".

Section 219.412(b)(1)(A), delete space after "sheet-" before "fed".

Section 219.412(c)(1), delete space after "as-" before "used".

Section 219.412(c)(2), replace "(d)(2)(C)" with "(d)(2)(C)".

Section 219.412(c)(3), delete "the" before "subsection".

Section 219.480(g), change "emissions rate" to "emission rate".

The following changes should be made from the proposal which was published at 18 Ill. Reg. 17390, on December 9, 1994:

In the Table of Contents the following changes were made:

a. In Section 219.586, added "(Repealed)".

b. In Section 219.602, changed "Applicability" to "Exemptions".

c. In Section 219.611, changed "Applicability" to "Exemption".

d. In Section 219.623, deleted "(Repealed)".

e. In Section 219.624, changed "Open Top" to "Open-Top".

f. Deleted Subparts CC and DD, Section 219.660 through Section 219.692:

## POLLUTION CONTROL BOARD

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## SUBPART CC: POLYESTER RESIN PRODUCT MANUFACTURING PROCESS

## Section

219.660 Applicability  
219.666 Control Requirements  
219.667 Compliance Schedule  
219.668 Testing  
219.670 Recordkeeping and Reporting for Exempt Emission Units  
219.672 Recordkeeping and Reporting for Subject Emission Units

## SUBPART DD: AEROSOL CAN FILLING

## Section

219.680 Applicability  
219.686 Control Requirements  
219.688 Testing  
219.690 Recordkeeping and Reporting for Exempt Emission Units  
219.692 Recordkeeping and Reporting for Subject Emission Units

g. Added Subpart GG: Marine Terminals, Sections 219.760-219.770.

h. In Section 219.923, deleted "(Repealed)".

i. In Section 219.943, deleted "(Repealed)".

j. In Section 219.963, deleted "(Repealed)".

k. In Section 219.983, deleted "(Repealed)".

l. In Appendix C, changed "Reference Test Methods For Air Oxidation Processes" to "Reference Methods and Procedures".

In Section 219.787(b), deleted comma after "year".

In Section 219.788(a)(2), changed "of" to "after".

In Section 219.789(a)(1), changed (d)(2)(a) to (d)(2)(A).

In Section 219.792(a)(3), deleted "and" after "applicable".

In Section 219.792(a)(6), changed "owner" to "owner's".

In Section 219.792(a)(6), changed "operator" to "operator's"; deleted "shall certify" and replaced it with "certification".

Also made minor corrections in source note.

12) Have all the changes agreed upon by the Agency and JCAR been made as indicated in the agreement letter issued by JCAR? Yes

13) Will this rule (amendments, repealer) replace an emergency rule currently in effect? No

## POLLUTION CONTROL BOARD

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14) Are there any amendments pending on this Part? Yes

Section Numbers: Proposed Action: Ill. Reg. Citation:

219.500 New Section 18 Ill. Reg. 17844, December 16, 1994

219.501 New Section 18 Ill. Reg. 17844, December 16, 1994

219.502 New Section 18 Ill. Reg. 17844, December 16, 1994

219.503 New Section 18 Ill. Reg. 17844, December 16, 1994

219.504 New Section 18 Ill. Reg. 17844, December 16, 1994

219.505 New Section 18 Ill. Reg. 17844, December 16, 1994

219.506 New Section 18 Ill. Reg. 17844, December 16, 1994

15) Summary and Purpose of Rule(s): A complete description of this Section 28.5 fast-track rulemaking is included in the Board's April 20, 1995 opinion and order in docket R94-21, which is available from the address below. Specifically, this rulemaking proposes amendments to two Subparts and adds one Subpart to 35 Ill. Adm. Code 218 pursuant to the 15% Rate of Progress Plan submitted to USEPA November 15, 1993, as required by the Clean Air Act, as amended in 1990. The amendments to Subpart F, Coating Operations, propose more stringent emissions limitations for specified categories of coatings, propose adding two categories of plastic parts coatings to be regulated, and proposes a lower applicability level for wood furniture coating. The amendments to Subpart Q, Leaks from Synthetic Organic Chemical and Polymer Manufacturing Plant, reflect federal guidance on controlling emissions from the synthetic organic chemical distillation and reactor processes. The addition of Subpart FF, Bakery Ovens, proposes emission controls for specified bakery ovens.

This rulemaking also proposes some amendments to clarify prior rulemakings in 35 Ill. Adm. Code 218 that are required by the Clean Air Act, as amended in 1990. The amendment to Section 218.106 is to add a compliance date reflected in the Federal Register. The amendment to Section 218.966 is to add a compliance date added to Part 219 in an earlier rulemaking but missed in Part 218. The amendment to Section 218.686 is to clarify that aerosol can fillers only have to use one type of criteria to prove whether cans are able to be filled through-the-valve rather than all three types of criteria. The amendment to Section 218.980 is to include an exemption for polyethylene foam packaging excluded from the "RACT" rulemaking.

The rulemaking published at 18 Ill. Reg. 17124 proposes changes to Subpart H of Part 219 to include control measures for the control of VOC emissions

## POLLUTION CONTROL BOARD

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from offset lithographic printing. It also includes minor amendments to Section 219.480 which parallel changes made to 219.480 to clarify amendments made to this section in rulemaking R93-14. In the Matter of: Reasonably Available Control Technology for Major Sources Emitting Volatile Organic Material in the Chicago Ozone Non-attainment Area: 25 Tons Amendments to 35 Ill. Adm. Code Parts 211 and 218.

The rulemaking published in 18 Ill. Reg. 17390 on December 9, 1994 represents Part VI of the rules to be adopted in the State's 15<sup>th</sup> ROP. This rulemaking requires all motor vehicle refinishing operations located in the Chicago and Metro-East ozone nonattainment areas to: comply with the specified VOM content limitations for coatings and surface preparation materials, use specified coating applicators and coating applicator cleaning equipment, comply with recordkeeping and reporting requirements, and register annually with the Agency. This rulemaking also provides for a control equipment alternative. Specifically this rulemaking adds Subpart HH: Motor Vehicle Refinishing, Sections 219.780, 219.782, 219.784, 219.786, 219.787, 219.788, 219.789, 219.790, 219.791, and 219.792. A complete description of this Section 28.5 fast-track rulemaking is included in the Board's April 20, 1995 opinion and order in docket R94-32, which is available from the address below.

16) Information and questions regarding this adopted rule shall be directed to:

Marie E. Tipsord (312) 814-4925  
Audrey Lozuk-Lawless (312) 814-6923 or  
(815) 753-0947  
Kevin Desharnais (312) 814-6926

100 W. Randolph Street  
State of Illinois Center  
Suite 11-500  
Chicago, IL 60601

Copies of the Board's opinions and orders may be requested from the Clerk of the Board at the address above. Please refer to the Docket number R94-21, R94-31, and R94-32 in your request.

The full text of the adopted rule(s) begins on the following page:

## POLLUTION CONTROL BOARD

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TITLE 35: ENVIRONMENTAL PROTECTION  
SUBTITLE B: AIR POLLUTION  
CHAPTER I: POLLUTION CONTROL BOARD  
SUBCHAPTER C: EMISSIONS STANDARDS AND LIMITATIONS  
FOR STATIONARY SOURCES

## PART 219

ORGANIC MATERIAL EMISSION STANDARDS AND LIMITATIONS  
FOR THE METRO EAST AREA

## SUBPART A: GENERAL PROVISIONS

Section	Control or
219.100	Introduction
219.101	Savings Clause
219.102	Abbreviations and Conversion Factors
219.103	Applicability
219.104	Definitions
219.105	Test Methods and Procedures
219.106	Compliance Dates
219.107	Operation of Afterburners
219.108	Exemptions, Variations, and Alternative Means of Control or Compliance Determinations
219.109	Vapor Pressure of Volatile Organic Liquids
219.110	Vapor Pressure of Organic Material or Solvents
219.111	Vapor Pressure of Volatile Organic Material
219.112	Incorporations by Reference
219.113	Monitoring for Negligibly-Reactive Compounds

## SUBPART B: ORGANIC EMISSIONS FROM STORAGE AND LOADING OPERATIONS

Section	Control or
219.119	Applicability for VOL
219.120	Control Requirements for Storage Containers of VOL
219.121	Storage Containers of VPL
219.122	Loading Operations
219.123	Petroleum Liquid Storage Tanks
219.124	External Floating Roofs
219.125	Compliance Dates
219.126	Compliance Plan (Repealed)
219.127	Testing VOL Operations
219.128	Monitoring VOL Operations
219.129	Recordkeeping and Reporting for VOL Operations

## SUBPART C: ORGANIC EMISSIONS FROM MISCELLANEOUS EQUIPMENT

Section	Control or
219.141	Separation Operations



## POLLUTION CONTROL BOARD

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219.142  
219.143  
219.144

Pumps and Compressors  
Vapor Blowdown  
Safety Relief Valves

## SUBPART E: SOLVENT CLEANING

Section

219.181  
219.182  
219.183  
219.184  
219.185  
219.186

Solvent Cleaning in General  
Cold Cleaning  
Open Top Vapor Degreasing  
Conveyorized Degreasing  
Compliance Schedule (Repealed)  
Test Methods

## SUBPART F: COATING OPERATIONS

Section  
219.204  
219.205  
219.206  
219.207  
219.208  
219.209  
219.210  
219.211  
219.212  
219.213  
219.214

Emission Limitations  
Daily-Weighted Average Limitations  
Solids Basis Calculation  
Alternative Emission Limitations  
Exemptions from Emission Limitations  
Exemption from General Rule on Use of Organic Material  
Compliance Schedule  
Recordkeeping and Reporting  
Cross-Line Averaging to Establish Compliance for Coating Lines  
Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines  
Changing Compliance Methods

## SUBPART G: USE OF ORGANIC MATERIAL

Section  
219.301  
219.302  
219.303  
219.304

Use of Organic Material  
Alternative Standard  
Fuel Combustion Emission Units  
Operations with Compliance Program

## SUBPART H: PRINTING AND PUBLISHING

Section  
219.401  
219.402  
219.403  
219.404  
219.405  
219.406

Flexographic and Rotogravure Printing  
Applicability  
Compliance Schedule  
Recordkeeping and Reporting  
Heatset-Web-Offset Lithographic Printing: Applicability  
Provisions Applying to Heatset Web Offset Lithographic Printing Prior to March 15, 1996

## POLLUTION CONTROL BOARD

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219.407  
219.408  
219.409  
219.410  
219.411

Emission Limitations and Control Requirements for Lithographic Printing Lines On and After March 15, 1996  
Compliance Schedule for Lithographic Printing On and After March 15, 1996  
Testing for Lithographic Printing On and After March 15, 1996  
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AUTHORITY: Implementing Section 10 and authorized by Section 28.5 of the



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Environmental Protection Act [415 ILCS 5/10 and 28.5].

SOURCE: Adopted in R91-8 at 15 Ill. Reg. 12491, effective August 16, 1991; amended in R91-24 at 16 Ill. Reg. 13597, effective August 24, 1992; amended in R91-30 at 16 Ill. Reg. 13883, effective August 24, 1992; emergency amendment in R93-12 at 17 Ill. Reg. 8295, effective May 24, 1993, for a maximum of 150 days; amended in R93-9 at 17 Ill. Reg. 16918, effective September 27, 1993 and October 21, 1993; amended in R93-28 at 18 Ill. Reg. 4242, effective March 3, 1994; amended in R94-12 at 18 Ill. Reg. 14987, effective September 21, 1994; amended in R94-15 at 18 Ill. Reg. 16415, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16980, effective November 15, 1994; emergency amendment in R95-10 at 19 Ill. Reg. 3059, effective February 28, 1995, for a maximum of 150 days; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. **6958**, effective **MAY 09 1995**.

BOARD NOTE: This Part implements the Illinois Environmental Protection Act as of July 1, 1994.

NOTE: In this Part, superscript numbers or letters are denoted by parentheses, subscript are denoted by brackets; and SUM means the summation series or sigma function as used in mathematics.

## SUBPART F: COATING OPERATIONS

## Section 219.204 Emission Limitations

Except as provided in Sections 219.205, 219.207~~and~~, 219.208, and 219.212 of this ~~part~~ Subpart, no owner or operator of a coating line shall apply at any time any coating in which the VOM content exceeds the following emission limitations for the specified coating. Compliance with the emission limitations marked with an asterisk in this Section is required on and after March 15, 1996. Compliance with emission limitations not marked with an asterisk is required until March 15, 1996. The following emission limitations are expressed in units of VOM per volume of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied at each coating applicator, except where noted. Compounds which are specifically exempted from the definition of VOM should be treated as water for the purpose of calculating the "less water" part of the coating composition. Compliance with this Subpart must be demonstrated through the applicable coating analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(c) of this ~~part~~ Subpart except where noted. (Note: The equation presented in Section 219.206 of this Part shall be used to calculate emission limitations for determining compliance by add-on controls, credits for transfer efficiency, emission trades and cross-line averaging.) The emission limitations are as follows:

- a) Automobile or Light-Duty Truck Coating
- |                                      |       |        |
|--------------------------------------|-------|--------|
|                                      | kg/l  | lb/gal |
| 1) Final repair coat                 | 0.58  | (4.8)  |
| 2) Can Coating                       | 0.34  | (2.8)  |
| 1) Sheet basecoat and overvarnish    | 0.26* | (2.2)* |
| A) Sheet basecoat                    | 0.34  | (2.8)  |
| B) Overvarnish                       | 0.34  | (2.8)  |
| 2) Exterior basecoat and overvarnish | 0.14  | (2.8)  |
|                                      | 0.25* | (2.1)* |

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- 1) Prime coat
- |                         |       |         |
|-------------------------|-------|---------|
|                         | 0.14  | (1.2)   |
|                         | 0.14* | (1.2)*  |
| 2) Primer surfacer coat | 1.81  | (15.1)  |
|                         | 1.81* | (15.1)* |

(Note: The primer surfacer coat limitation is in units of kg (lbs) or VOM per 1 (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire primer surfacer operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 does not apply to the primer surfacer limitation.)

- 3) Topcoat
- |  |       |         |
|--|-------|---------|
|  | kg/l  | lb/gal  |
|  | 1.81  | (15.1)  |
|  | 1.81* | (15.1)* |

(Note: The topcoat limitation is in units of kg (lbs) of VOM per 1 (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 of this Part does not apply to the topcoat limitation.)

- 4) Final repair coat
- |  |       |        |
|--|-------|--------|
|  | kg l  | lb gal |
|  | 0.58  | (4.8)  |
|  | 0.58* | (4.8)* |
- b) Can Coating
- |                                      |       |        |
|--------------------------------------|-------|--------|
|                                      | kg l  | lb gal |
| 1) Sheet basecoat and overvarnish    | 0.34  | (2.8)  |
| A) Sheet basecoat                    | 0.26* | (2.2)* |
| B) Overvarnish                       | 0.34  | (2.8)  |
| 2) Exterior basecoat and overvarnish | 0.14  | (2.8)  |
|                                      | 0.25* | (2.1)* |

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- 3) Interior body spray coat  
     A) Two piece  
         0-51 (4.2)  
         0.51 (3.7)\*  
     B) Three piece  
         0.51 (4.2)  
         0.51 (4.2)\*  
         0.51 (4.2)  
         0.51 (4.2)\*  
         0.66 (5.5)  
         0.66\* (5.5)\*  
         0.44 (3.7)  
         0.44\* (3.7)\*
- 4) Exterior end coat
- 5) Side seam spray coat
- 6) End sealing compound coat
- c) Paper Coating  
     kg/l lb/gal  
     0.35 (2.9)  
     0.28\* (2.3)\*

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H: Printing and Publishing, Sections 219.401 of this Part.)

- d) Coil Coating  
     kg/l lb/gal  
     0.31 (2.6)  
     0.20\* (1.7)\*
- e) Fabric Coating  
     0.35 (2.9)  
     0.28\* (2.3)\*
- f) Vinyl Coating  
     0.45 (3.8)  
     0.28\* (2.3)\*
- g) Metal Furniture Coating  
     1) Air dried  
         0-36 (3.0)  
         0.36 (2.8)\*  
         0.34\* (3.0)  
         0.36 (3.0)  
         0.28\* (2.3)\*  
     2) Baked  
         0-34 (2.8)\*  
         0.34 (2.8)\*  
         0.34\* (2.8)\*  
         0.34 (2.8)\*  
         0.28\* (2.3)\*

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly, provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

- i) Magnet Wire Coating  
     kg/l lb/gal  
     0.20 (1.7)  
     0.20\* (1.7)\*
- j) Miscellaneous Metal Parts and

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- Products Coating  
     1) Clear coating  
         0.52 (4.3)  
         0.52\* (4.3)\*
- 2) Air-dried-coating  
     32) Extreme performance coating  
         0-42 (3.5)  
         0.42 (3.5)  
         0.42\* (3.5)\*  
         0.42 (3.5)  
         0.42\* (3.5)\*  
     B) Baked  
         0.42 (3.5)  
         0.40\* (3.3)\*  
         0.52 (4.3)  
         0.52\* (4.3)\*
- 43) Steel pail and drum interior coating  
     0-36 (3.0)  
     0.42 (3.5)  
     0.40\* (3.3)\*  
     0.36 (3.0)  
     0.34\* (2.8)\*
- 54) All other coatings  
     A) Air Dried  
         0.42 (3.5)  
         0.40\* (3.3)\*  
         0.36 (3.0)  
         0.34\* (2.8)\*  
     B) Baked  
         0.42 (3.5)  
         0.42\* (3.5)\*  
         0.36 (3.0)  
         0.36 (3.0)\*
- 5) Metallic coating  
     A) Air Dried  
         0.42 (3.5)  
         0.42\* (3.5)\*  
         0.36 (3.0)  
         0.36 (3.0)\*  
     B) Baked  
         0.42 (3.5)  
         0.42\* (3.5)\*  
         0.36 (3.0)  
         0.36 (3.0)\*

- 6) For purposes of subsection 219.204(j)(5) of this Section, "metallic coating" means a coating which contains more than 1/4 lb/gal of metal particles, as applied.

- k) Heavy Off-Highway Vehicle Products Coating  
     1) Extreme performance  
         0.42 (3.5)  
         0.42\* (3.5)\*  
     2) Extreme performance top-coat (air dried)  
         0.42 (3.5)  
         0.42\* (3.5)\*  
     3) Final repair coat (air dried)  
         0.42 (3.5)  
         0.42\* (3.5)\*  
     4) All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above.
- kg/l lb/gal
- 1) Wood Furniture Coating  
     1) Clear topcoat  
         0.67 (5.6)  
         0.67\* (5.6)\*  
     2) Opaque stain  
         0.56 (4.7)  
         0.56\* (4.7)\*  
     3) Pigmented coat  
         0.60 (5.0)  
         0.60\* (5.0)\*

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4) Repair coat	0.67	(5.6)
	0.67*	(5.6)*
5) Sealer	0.67	(5.6)
	0.67*	(5.6)*
6) Semi-transparent stain	0.79	(6.6)
	0.79*	(6.6)*
7) Wash coat	0.73	(6.1)
	0.73*	(6.1)*

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell or disc-spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, dip coating application system or high volume low pressure (HVLP) application system.)

## m) Plastic Parts Coating: Automotive/Transportation

	kg/l	lb/gal
1) Interiors		
A) Baked		
i) Color coat	0.49*	(4.1)*
ii) Primer	0.46*	(3.8)*
B) Air Dried		
i) Color coat	0.38*	(3.2)*
ii) Primer	0.42*	(3.5)*
2) Exteriors (flexible and non-flexible)		
A) Baked		
i) Primer	0.60*	(5.0)*
ii) Primer non-flexible	0.54*	(4.5)*
iii) Clear coat	0.52*	(4.3)*
iv) Color coat	0.55*	(4.6)*
B) Air Dried		
i) Primer	0.66*	(5.5)*
ii) Clear coat	0.54*	(4.5)*
iii) Color coat (red & black)	0.67*	(5.6)*
iv) Color coat (others)	0.61*	(5.1)*
3) Specialty		

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A) Vacuum metallizing basecoats, texture basecoats	0.66*	(5.5)*
B) Black coatings, reflective argent coatings, air bag cover coatings, and soft coatings	0.71*	(5.9)*
C) Gloss reducers, vacuum metallizing topcoats, and texture topcoats	0.77*	(6.4)*
D) Stencil coatings, adhesion primers, ink pad coatings, electrostatic prep coatings, and resist coatings	0.82*	(6.8)*
E) Head lamp lens coatings	0.89*	(7.4)*

## n) Plastic Parts Coating: Business Machine

	kg/l	lb/gal
1) Primer	0.14*	(1.2)*
2) Color coat (non-texture coat)	0.28*	(2.3)*
3) Color coat (texture coat)	0.28*	(2.3)*
4) Electromagnetic interference radio frequency interference (EMI RFI) shielding coatings	0.48*	(4.0)*
5) Specialty Coatings		
A) Soft coat	0.52*	(4.3)*
B) Plating resist	0.71*	(5.9)*
C) Plating sensitizer	0.85*	(7.1)*

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995 )

## Section 219.205 Daily-Weighted Average Limitations

No owner or operator of a coating line subject to the limitations of Section 219.204 of this Part Subpart and complying by means of this Section shall operate the subject coating line unless the owner or operator has demonstrated compliance with subsection (a), (b), (c), (d), (e), (f), (g) or (h) of this Section (depending upon the category of coating) through the applicable coating



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analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(d) of this Part Subpart:

a) No owner or operator of a coating line subject to only one of the limitations from among Section 219.204(a)(1), (a)(4), (c), (d), (e), (f), (g), (h), or (i) of this Part Subpart shall apply coatings on any such coating line, during any day, whose whole daily-weighted average VOM content exceeds the emission limitation to which the coatings are subject.

b) No owner or operator of a miscellaneous metal parts and products coating line subject to the limitations of Section 219.204(j) of this Part Subpart shall apply coatings to miscellaneous metal parts or products on the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section ~~below~~ are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(j) ~~above~~ of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(j) ~~above~~ of this Subpart, during the same day, the owner or operator shall have a site-specific proposal approved by the Agency and approved by the US EPA as a SIP revision. To receive approval, the requirements of US EPA's Emissions Trading Policy Statement (and related policy), 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

c) No owner or operator of a can coating line subject to the limitations of Section 219.204(b) of this Part Subpart shall operate the subject coating line using a coating with a VOM content in excess of the limitations specified in Section 219.204(b) of this Part Subpart unless all of the following requirements are met:

1) An alternative daily emission limitation for the can coating operation, i.e. for all of the can coating lines at the source, shall be determined according to subsection (c)(2) ~~below~~ of this Section. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation.

$$E[d] = \sum_{i=1}^n V[i]C[i]$$

where:

$E[d]$  = Actual VOM emissions for the day in units of

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kg/day (lbs/day);

i = Subscript denoting a specific coating applied;

n = Total number of coatings applied in the can coating operation, i.e. all can coating lines at the source;

$V[i]$  = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

$C[i]$  = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

2) The alternative daily emission limitation ( $A[d]$ ) shall be determined for the can coating operation, i.e. for all of the can coating lines at the source, on a daily basis as follows:

$$A[d] = \sum_{i=1}^n V[i] L[i] \frac{[D[i] - C[i]]}{(D[i] - L[i])}$$

where:

$A[d]$  = The VOM emissions allowed for the day in units of kg/day (lbs/day);

i = Subscript denoting a specific coating applied;

n = Total number of surface coatings applied in the can coating operation;

$C[i]$  = The VOM content of each surface coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

$D[i]$  = The density of VOM in each coating applied. For the purposes of calculating  $A[d]$ , the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);

$V[i]$  = Volume of each surface coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

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L[i] = The VOM emission limitation for each surface coating applied as specified in Section 219.204(b) of this Part Subpart in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM)

d) No owner or operator of a heavy off-highway vehicle products coating line subject to the limitations of Section 219.204(k) of this Part Subpart shall apply coatings to heavy off-highway vehicle products on the subject coating line unless the requirements of subsection (d)(1) or (d)(2) below of this Section are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(k) above of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(k) above of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

e) No owner or operator of a wood furniture coating line subject to the limitations of Section 219.204(l) of this Part Subpart shall apply coatings to wood furniture on the subject coating line unless the requirements of subsection (e)(1) or subsection (e)(2) below of this Section, in addition to the requirements specified in the note to Section 219.204(l) of this Part Subpart, are met.

1) For each coating line which applies multiple coating, all of which are subject to the same numerical emission limitation within Section 219.204(l) above of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(l) above of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and approved by the USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) 51 Fed. Reg. 43814 (December 4, 1986), must be satisfied.

f) No owner or operator of a plastic parts coating line subject to the

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limitations of Section 219.204(m) or (n) of this Subpart shall apply coatings to business machine or automotive/transportation plastic parts on the subject coating line unless the requirements of subsection (f)(1) or (f)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(m) or (n) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(m) or (n) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

g) No owner or operator of a metal furniture coating line subject to the limitations of Section 219.204(g) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (g)(1) or (g)(2) of this Section are met:

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(g) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than one numerical emission limitation in Section 219.204(g) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

h) No owner or operator of a large appliance coating line subject to the limitations of Section 219.204(h) of this Subpart shall apply coatings on the subject coating line unless the requirements of subsection (h)(1) or (h)(2) of this Section are met.

1) For each coating line which applies multiple coatings, all of which are subject to the same numerical emission limitation within Section 219.204(h) of this Subpart, during the same day (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), the daily-weighted average VOM content shall not exceed the coating VOM content limit corresponding to the category of coating used, or

2) For each coating line which applies coatings subject to more than

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one numerical emission limitation in Section 219.204(h) of this Subpart, during the same day, the owner or operator shall have a site specific proposal approved by the Agency and USEPA as a SIP revision. To receive approval, the requirements of USEPA's Emissions Trading Policy Statement (and related policy) must be satisfied.

(Source: Amended at 19 Ill. Reg. **6958**, effective  
MAY 09 1995)

## Section 219.207 Alternative Emission Limitations

a) Any owner or operator of a coating line subject to Section 219.204 of this Part Subpart may comply with this Section, rather than with Section 219.204 of this Part Subpart, if a capture system and control device are operated at all times the coating line is in operation and the owner or operator demonstrates compliance with subsections (c), (d), (e), (f), (g), (h), (i) or (j) of this Section (depending upon the source category) through the applicable coating analysis and capture system and control device efficiency test methods and procedures specified in Section 219.105 of this Part and the recordkeeping and reporting requirements specified in Section 219.211(e) of this Part Subpart; and the control device is equipped with the applicable monitoring equipment specified in Section 219.105(d) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to vendor specifications at all times the control device is in use. A capture system and control device, which does not demonstrate compliance with subsection (c), (d), (e), (f), (g), (h), (i), (j) or (k) of this Section may be used as an alternative to compliance with Section 219.204 of this Part Subpart only if the alternative is approved by the Agency and approved by the USEPA as a SIP revision.

b) Alternative Add-On Control Methodologies

- 1) The coating line is equipped with a capture system and control device that provides 81 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency, or

- 2) The system used to control VOM from the coating line is demonstrated to have an overall efficiency sufficient to limit VOM emissions to no more than what is allowed under Section 219.204 of this Part Subpart. Use of any control system other than an afterburner, carbon adsorption, condensation, or absorption scrubber system can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. The use of transfer efficiency credits can be allowed only if approved by the Agency and approved by the USEPA as a SIP revision. Baseline transfer efficiencies and transfer efficiency test methods must be approved by the Agency and the USEPA. Such overall efficiency

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is to be determined as follows:

A) Obtain the emission limitation from the appropriate subsection in Section 219.204 of this Part Subpart;

B) Calculate "S" according to the equation in Section 219.206 of this Part Subpart;

C) Calculate the overall efficiency required according to Section 219.105(e) of this Part. For the purposes of calculating this value, according to the equation in Section 219.105(e)(2) of this Part, VOM(1) is equal to the value of "S" as determined above in subsection (b)(2)(B) of this Section.

c) No owner or operator of a coating line subject to only one of the emission limitations from among Section 219.204(a)(1), (a)(4), (c), (d), (e), (f), (g), (h), (i) or (j) of this Part Subpart and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above of this Section are met. No owner or operator of a coating line subject to Section 219.204(a)(2) or (a)(3) and equipped with a capture system and control device shall operate the coating line unless the owner or operator demonstrates compliance with such limitation in accordance with the topcoat protocol referenced in Section 219.105(b) of this Part.

d) No owner or operator of a miscellaneous metal parts and products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(j) of this Part Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above of this Section are met.

e) No owner or operator of a heavy off-highway vehicle products coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(k) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) above of this Section are met.

f) No owner or operator of a wood furniture coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(l) of this Part Subpart (e.g., all coatings used on the line are subject to 0.67 kg/l (5.6 lbs/gal)), and which is equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met. If compliance is achieved by meeting the requirements in subsection (b)(2) of this Part Section, then the provisions in the note to Section 219.204(l) of this Part Subpart must also be met.



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g) No owner or operator of a can coating line and equipped with a capture system and control device shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) below of this Section are met.

1) An alternative daily emission limitation for the can coating operation, i.e. for all of the can coating lines at the source, shall be determined according to Section 219.205(c)(2) of this Part Subpart. Actual daily emissions shall never exceed the alternative daily emission limitation and shall be calculated by use of the following equation:

$$E(d) = \sum_{i=1}^n V(i) C(i) (1-F(i))$$

where:

$E(d)$  = Actual VOM emissions for the day in units of kg/day (lbs/day);

$i$  = Subscript denoting the specific coating applied;

$n$  = Total number of surface coatings as applied in the can coating operation;

$V(i)$  = Volume of each coating as applied for the day in units of 1/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

$C(i)$  = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and

$F(i)$  = Fraction, by weight, of VOM emissions from the surface coating, reduced or prevented from being emitted to the ambient air. This is the overall efficiency of the capture system and control device.

2) The coating line is equipped with a capture system and control device that provide 75 percent reduction in the overall emissions of VOM from the coating line and the control device has a 90 percent efficiency.

h) No owner or operator of a plastic parts coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(m) or (n) of this Subpart (e.g., all coatings used on the line are subject to 0.42 kg/l (3.5 lbs/gal)), and which is equipped with a capture system and control device, shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

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i) No owner or operator of a metal furniture coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(g) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), and which is equipped with a capture system and control device, shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

j) No owner or operator of a large appliance coating line which applies one or more coatings during the same day, all of which are subject to the same numerical emission limitation within Section 219.204(h) of this Subpart (e.g., all coatings used on the line are subject to 0.34 kg/l (2.8 lbs/gal)), and which is equipped with a capture system and control device, shall operate the subject coating line unless the requirements in subsection (b)(1) or (b)(2) of this Section are met.

(Source: Amended 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.208 Exemptions From Emission Limitations

a) Exemptions for all coating categories except wood furniture coating. The limitations of this Subpart shall not apply to coating lines within a source, that otherwise would be subject to the same subsection of Section 219.204 (because they belong to the same coating category, e.g., can coating), provided that combined actual emissions of VOM from all lines at the source subject to that subsection never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices. (For example, can coating lines within a source would not be subject to the limitations of Section 219.204(b) of this Part Subpart if the combined actual emissions of VOM from the can coating lines never exceed 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices.) Volatile organic material emissions from heavy off-highway vehicle products coating lines must be combined with VOM emissions from miscellaneous metal parts and products coating lines to determine applicability. Any owner or operator of a coating source shall comply with the applicable coating analysis test methods and procedures specified in Section 219.105(a) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(a) of this Part Subpart if total VOM emissions from the subject coating lines are always less than or equal to 6.8 kg/day (15 lbs/day) before the application of capture systems and control devices and, therefore, are not subject to the limitations of Section 219.204 of this Part Subpart. Once a category of coating lines at a source is subject to the limitations in Section 219.204 of this Part Subpart the coating lines are always subject to the limitations in Section 219.204 of this Part Subpart.

b) Applicability for wood furniture coating

1) The limitations of this Subpart shall apply to a source's wood

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furniture coating lines if the source contains process emission units, not regulated by Subparts B, E, F (excluding Section 219.204(1) of this Part Subpart), H (excluding Section 219.405 of this Part), Q, R, S, T (excluding Section 219.486 of this Part), V, X, Y, Z or BB of this Part, which as a group both:

- A) Have a maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and
- B) Are not limited to less than 91 Mg (100 tons) of VOM per calendar year if no air pollution control equipment were used, through production or capacity limitations contained in a federally enforceable permit or SIP revision.

2) The limitations of this Subpart shall apply to a source's wood furniture coating lines, on and after March 15, 1996, if the source contains process emission units, which as a group have a potential to emit 22.7 Mg (25 tons) or more of VOM per calendar year and have not limited emissions to less than 22.7 Mg (25 tons) of VOM per calendar year through production or capacity limitations contained in a federally enforceable operating permit or as a SIP revision, and which:

- A) Are not regulated by Subparts B, E, F (excluding Section 219.204(1) of this Subpart), H, Q, R, S, T (excluding Section 219.486 of this Part), V, X, Y, Z or BB of this Part; and

- B) Are not included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

23) If a source ceases to fulfill the criteria of subsection (b)(1) or (b)(2) of this Section, the limitations of Section 219.204(1) of this Part Subpart shall continue to apply to any wood furniture coating line which was ever subject to the limitations of Section 219.204(1) of this Part Subpart.

34) For the purposes of subsection (b) of this Section, an emission unit shall be considered to be regulated by a Subpart if it is subject to the limitations of that Subpart. An emission unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met.

45) Any owner or operator of a wood furniture coating line to which the limitations of this Subpart are not applicable due to the criteria in subsection (b) of this Section shall, upon request by the Agency or the USEPA, submit records to the Agency and the USEPA within 30 calendar days from the date of the request that

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document that the coating line is exempt from the limitations of this Subpart.

- c) On and after March 15, 1996, the limitations of this Subpart shall not apply to touch-up and repair coatings used by a coating source described by subsections 219.204(b), (d), (f), (g), (i), (j), (m) and (n) of this Subpart; provided that the source-wide volume of such coatings used does not exceed 0.95 l (1 quart) per eight-hour period or exceed 209 l/yr (55 gal/yr) for any rolling twelve month period. Recordkeeping and reporting for touch-up and repair coatings shall be consistent with Section 219.211(b)(4) of this Subpart.

- d) On and after March 15, 1996, the owner or operator of a coating line or a group of coating lines using touch-up and repair coatings that are exempted from the limitations of Section 219.204(b), (d), (f), (g), (i), (j), (m) and (n) of this Subpart because of the provisions of Section 219.208(c) of this Subpart shall:
  - 1) Collect and record the name, identification number, and volume used of each touch-up and repair coating, as applied on each coating line, per eight-hour period and per month;
  - 2) Perform calculations on a daily basis, and maintain at the source records of such calculations of the combined volume of touch-up and repair coatings used source-wide for each eight-hour period;
  - 3) Perform calculations on a monthly basis, and maintain at the source records of such calculations of the combined volume of touch-up and repair coatings used source-wide for the month and the rolling twelve month period;
  - 4) Prepare and maintain at the source an annual summary of the information required to be compiled pursuant to subsections (c)(4)(A) and (c)(4)(B) of this Section on or before January 31 of the following year;
  - 5) Maintain at the source for a minimum period of three years all records required to be kept under this subsection and make such records available to the Agency upon request;
  - 6) Notify the Agency in writing if the use of touch-up and repair coatings at the source ever exceeds a volume of 0.95 l (1 quart) per eight-hour period or exceeds 209 l/yr (55 gal/yr) for any rolling twelve month period within 30 days after any such exceedance. Such notification shall include a copy of any records of such exceedance; and
  - 7) "Touch-up and repair coatings" means, for purposes of 35 Ill. Adm. Code 219.208, any coating used to cover minor scratches and nicks that occur during manufacturing and assembly processes.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995)

## Section 219.210 Compliance Schedule

Every owner or operator of a coating line (of a type included within Section



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Section 219.212 Cross-Line Averaging to Establish Compliance for Coating Lines

- a) On and after March 15, 1996, any owner or operator of a coating line subject to the limitations set forth in Section 219.204 of this Subpart, and with coating lines in operation prior to January 1, 1991 ("pre-existing coating lines"), may, for pre-existing coating lines only, elect to comply with the requirements of this Section, rather than complying with the applicable emission limitations set forth in Section 219.204, if an operational change of the type described below has been made after January 1, 1991, to one or more pre-existing coating lines at the source. An operational change occurs when a pre-existing coating line is replaced with a line using lower VOM coating for the same purpose as the replaced line ("replacement line"). A source electing to rely on this Section to demonstrate compliance with the requirements of this Subpart shall operate pursuant to federally enforceable permit conditions approved by the Agency and USEPA.
- b) An owner or operator of pre-existing coating lines subject to a VOM content limitation in Section 219.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart must establish, by use of the equations in subsection (c) of this Section, that the calculated actual daily VOM emissions from all participating coating lines, as defined below, are less than the calculated daily allowable VOM emissions from the same group of coating lines. For any pre-existing coating line to be aggregated for the purposes of Section 219.212, 219.213, or 219.214 of this Subpart ("participating coating lines"), the source must establish that:
  - 1) All coatings applied on the participating coating line shall, at all times, have a VOM content less than or equal to the applicable VOM content limitation for such coating listed in Appendix H of this Part; and
  - 2) On the date the source elects to rely on this Section to demonstrate compliance with this Subpart, all coatings applied on the participating coating line are not already in compliance with the VOM content limitation for such coating effective on or after March 15, 1996; or the participating coating line is a replacement line, as defined in subsection (a) of this Section with an operational change occurring on or after January 1, 1991.Notwithstanding subsection (a) of this Section, any owner or operator of a coating line subject to the limitations set forth in Section 219.204 of this Subpart and electing to rely on this Section to demonstrate compliance with this Subpart, may also include as a participating coating line, until December 31, 1999, only, any replacement line that satisfies all of the following conditions:
  - 1) The replacement line is operated as a powder coating line;
  - 2) The replacement line was added after July 1, 1986; and
  - 3) The owner or operator also includes as a participating coating line one or more coating lines that satisfy the criteria of a

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- 219.204) of this Part Subpart shall comply with the requirements of Section 219.204, 219.205, 219.207 or 219.208 and Section 219.211 ~~of this Part~~ or Sections 219.212 and 219.213 of this Subpart in accordance with the appropriate compliance schedule as specified in subsection (a), (b), (c), (d), (e) or (f) below:
  - a) No owner or operator of a coating line which is exempt from the limitations of Section 219.204 of this Part Subpart because of the criteria in Section 219.208(a) of this Part Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Section 219.211(b) of this Part Subpart. Wood furniture coating lines are not subject to Section 219.211(b) of this Part Subpart.
  - b) No owner or operator of a coating line complying by means of Section 219.204 of this Part Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.204 and 219.211(c) of this Part Subpart.
  - c) No owner or operator of a coating line complying by means of Section 219.205 of this Part Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.205 and 219.211(d) of this Part Subpart.
  - d) No owner or operator of a coating line complying by means of Section 219.207 of this Part Subpart shall operate said coating line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.207 and 219.211(e) of this Part Subpart.
  - e) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 219.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 219.204, 219.205 or 219.207 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with, respectively, the applicable requirements in Section 219.204, or the alternative control options in Sections 219.205 or 219.207 and the requirements of Section 219.211.
  - f) No owner or operator of a coating line subject to one or more of the emission limitations contained in Section 219.204 of this Subpart on or after March 15, 1996, choosing to comply by means of Section 219.212 of this Subpart, shall operate said coating line on or after March 15, 1996, unless the owner or operator complies with and continues to comply with the requirements of Sections 219.212 and 219.213 of this Subpart.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995)



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- d) To demonstrate compliance with this Section, a source shall establish the following:

1) An alternative daily emission limitation shall be determined for all participating coating lines at the source according to subsection (d)(2) of this Section. All participating coating lines shall be factored in each day to demonstrate compliance. Provided compliance is established pursuant to the requirements in this subsection, nothing in this Section requires daily operation of each participating line. Actual daily emissions from all participating coating lines (E[d]) shall never exceed the alternative daily emission limitation (A[d]) and shall be calculated by use of the following equation:

$$E[d] = \sum_{i=1}^n V[i] C[i]$$

where:

E[d] = Actual daily VOM emissions from participating coating lines in units of kg/day (lbs/day);

i = Subscript denoting a specific coating applied;

n = Total number of coatings applied by all participating coating lines at the source;

V[i] = Volume of each coating applied for the day in units of l/day (gal/day) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and

C[i] = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

- 2) The alternative daily emission limitation (A[d]) shall be determined for all participating coating lines at the source on a daily basis as follows:

$$A[d] = A[l] + A[p]$$

where A[l] and A[p] are defined in subsections (2)(A) and (2)(B) of this subsection (d).

A) The portion of the alternative daily emissions limitation for coating operations at a source using non-powder coating

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- A[l]) shall be determined for all such participating non-powder coating lines on a daily basis as follows:

$$A[l] = \sum_{i=1}^n V[i] L[i] (D[i] - C[i]) (D[i] - L[i])$$

where:

A[l] = The VOM emissions allowed for the day in units of kg/day (lbs/day);

i = Subscript denoting a specific coating applied;

n = Total number of coatings applied in the participating coating lines;

C[i] = The VOM content of each coating as applied in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM);

D[i] = The density of VOM in each coating applied. For the purposes of calculating A[l], the density is 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);

V[i] = Volume of each coating applied for the day in units of l (gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and

L[i] = The VOM emission limitation for each coating applied, as specified in Section 219.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM).

- B) The portion of the alternative daily emission limitation for coating operations at a source using powdered coating (A[p]) shall be determined for all such participating powder coating lines at the source on a daily basis as follows:

$$A[p] = \sum_{h=1}^m \sum_{j=1}^n V[j] L[j] D[j] K[h] (D[j] - L[s])$$

where:

A[p] = The VOM emissions allowed for the day in units of kg/day (lbs/day);

h = Subscript denoting a specific powder coating line;

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- j = Subscript denoting a specific powder coating applied;
- m = Total number of participating powder coating lines;
- n = Total number of powder coatings applied in the participating coating lines;
- D(j) = The assumed density of VOM in liquid coating, 0.882 kg VOM/l VOM (7.36 lbs VOM/gal VOM);
- V(j) = Volume of each powder coating consumed for the day in units of l (gal) of coating;
- L(j) = The VOM emission limitation for each coating applied, as specified in Section 219.204 of this Subpart, in units of kg VOM/l (lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM); and
- K = A constant for each individual coating line representing the ratio of the volume of coating solids consumed on the liquid coating system which has been replaced to the volume of powder coating consumed on the replacement line to accomplish the same coating job. This value shall be determined by the source based on tests conducted and records maintained pursuant to the requirements of Section 219.213 of this Subpart demonstrating the amount of coating solids consumed as both liquid and powder. Test methods and recordkeeping requirements approved by the Agency and USEPA and contained in the source's operating permit as federally enforceable permit conditions, subject to the following restrictions:
- i) K cannot exceed 0.9 for non-recycled powder coating systems; or
- ii) K cannot exceed 2.0 for recycled powder coating systems.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.213 Recordkeeping and Reporting for Cross-Line Averaging Participating Coating Lines

Any owner or operator of a coating line that elects to comply by means of Section 219.212 of this Subpart shall establish the following:

- a) By the date consistent with Section 219.210(f) of this Subpart, or upon initial start-up of a new coating line replacing a pre-existing

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coating line, as defined in Section 219.212 of this Subpart, or upon changing the method of compliance for a pre-existing coating line from the requirements of Section 219.204 or Section 219.207 of this Subpart to the requirements of Section 219.212 of this Subpart, the owner or operator of the source shall certify to the Agency that each participating coating line, as determined in Section 219.212 of this Subpart, will be in compliance with Section 219.212 of this Subpart on and after a date consistent with Section 219.210(f) of this Subpart, or on and after the initial start-up date of such participating coating lines. Such certification shall also include:

- 1) The name and identification number of each participating coating line;
- 2) The name and identification number of each coating as applied on each participating coating line;
- 3) The weight of VOM per volume of each coating and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied each day on each participating coating line;
- 4) The instrument or method by which the owner or operator will accurately measure or calculate the volume of each coating as applied each day on each participating coating line;
- 5) The method by which the owner or operator will create and maintain records each day as required in subsection (b) of this Section;
- 6) An example of the format in which the records required in subsection (b) of this Section will be kept;
- 7) A statement that all coating lines participating in averaging VOM have a VOM content less than or equal to the applicable VOM limitation for each coating and that all lines are in compliance with the averaging requirements of this Subpart, and that all lines are in compliance with the averaging requirements of this Subpart.
- A) Underwent a change in total VOM content after the date of January 1, 1991; or
- B) Are not in compliance and continued compliance with the coating limitations in Section 219.204 of this Subpart; compliance with which is required on or after March 15, 1996;
- 8) The method by which the owner or operator has calculated K, for the equation contained in Section 219.212(d)(2)(B) of this Subpart, if applicable;
- b) On and after a date consistent with Section 219.210(f) of this Subpart, or on and after the initial start-up date, the owner or operator of a source electing to comply with the requirements of this Subpart by means of Section 219.212 of this Subpart shall collect and record the following information on a daily basis for each participating coating line and maintain the information at the source for a period of three years:
- 1) The name and identification number of each coating as applied on

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each participating coating line:

- 2) The weight of VOM per volume and the volume of each coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied on each participating coating line on a daily basis; and
  - 3) The daily weighted average VOM content of all coatings as applied on each coating line as defined at 35 Ill. Adm. Code 211.1230.
- c) On and after a date consistent with Section 219.210(f) of this Subpart, the owner or operator of participating coating lines shall:
- 1) Notify the Agency within 30 days following an occurrence of a violation of Section 219.212 of this Subpart; and
  - 2) Send to the Agency any record showing a violation of Section 219.212 of this Subpart within 30 days following the occurrence of a violation.

(Source: Added 19 Ill. Reg. 6958, effective MAY 09 1995 )

Section 219.214 Changing Compliance Methods

- a) At least 30 calendar days before changing the method of compliance with this Subpart from Section 219.212 of this Subpart to Section 219.204 or Section 219.207 of this Subpart, the owner or operator of a source relying on Section 219.212 to demonstrate compliance with this Subpart for one or more pre-existing coating lines shall comply with all requirements of Section 219.211 (c)(1) or (e)(1) of this Subpart, respectively.
- b) Upon changing the method of compliance with this Subpart from Section 219.212 to Section 219.204 or Section 219.207 of this Subpart, the owner or operator of a source shall comply with the requirements of Section 219.211(c) or (e) of this Subpart, respectively.
- c) The owner or operator shall certify that all remaining participating coating lines, if any, comply and continue to comply with the requirements of Section 219.212 of this Subpart.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995 )

## SUBPART H: PRINTING AND PUBLISHING

Section 219.405 Heatset-Web-Offset Lithographic Printing: Applicability

## a) Applicability

- 1a) Until March 15, 1996, the limitations of subsection (b)-below Section 219.406 of this Subpart apply to all heatset-web-offset heatset web offset lithographic printing lines (including solvents used for cleanup operations associated with the heatset web offset

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lithographic printing line(s)) at a subject source subject to the requirements of this Subpart. All sources with heatset-web-offset heatset web offset lithographic printing lines are subject sources subject to the requirements of this Subpart unless:

- 1) Total maximum theoretical emissions of VOM from all heatset-web-offset heatset web offset lithographic printing lines (including solvents used for cleanup operations associated with the heatset-web-offset heatset web offset lithographic printing line(s)) at the source never exceed 90.7 Mg (100 tons) per calendar year in the absence of air pollution control equipment, or
- 2) A federally enforceable permit or SIP revision for all heatset-web-offset heatset web offset lithographic printing line(s) at a source requires the owner or operator to limit production or capacity of these printing line(s) to reduce total VOM emissions from all heatset-web-offset heatset web offset lithographic printing line(s) to 90.7 Mg (100 tons) per calendar year or less in the absence of air pollution control equipment, and

- 2b) Any owner or operator of any heatset-web-offset heatset web offset lithographic printing line that is exempt from the limitations in subsection (b)-of this Section 219.406 of this Subpart because of the criteria in subsection (a) of this Section shall be subject to the recordkeeping and reporting requirements in subsection (f)-of this Section 219.406(b)(1) of this Subpart.

- b) Specific provisions:---No---owner---or---operator---of---a---subject heatset-web-offset printing line may cause or allow the operation of the subject heatset-web-offset printing line unless the owner or operator meets the requirements in subsection (b)(1) or (b)(2) and the requirements in subsections (b)(3) and (b)(4)-below.

- 1) An afterburner system is installed and operated that reduces 90 percent of the VOM emissions from the dryer exhaust; or
- 2) The fountain solution contains no more than 8 percent by weight of VOM and a condensation recovery system is installed and operated that removes at least 95 percent of the non-isopropyl alcohol organic materials from the dryer exhaust; and
- 3) The control device is equipped with the applicable monitoring equipment specified in Section 219.105(d)(2) of this Part and the monitoring equipment is installed, calibrated, operated, and maintained according to vendor specifications at all times the control device is in user and
- 4) The control device is operated at all times when the subject printing line is in operation. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 219.105(a)-(d) and (f) of this Part and by complying with the recordkeeping and reporting requirements specified in subsection (f)-below.

- c) Recordkeeping and Reporting: The VOM content of each fountain



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B Total--volume--of--solids--for--all--inks--that--can potentially--be--applied--each--year--on--the--printing line--in--units--of--1-year--1-gal/year--the--installment or--method--by--which--the--owner--or--operator--accurately measured--or--calculated--the--volume--of--each--ink--as applied--and--the--amount--that--can--potentially--be applied--each--year--on--the--printing--line--shall--be described--in--the--certification--to--the--Agency.

E the--weight--percent--VOM--of--the--fountain--solution--with the--highest--VOM--content.

B the--total--volume--of--fountain--solution--that--can potentially--be--used--each--year--on--the--printing--line in--units--of--1-year--1-gal/year--the--installment--and/or method--by--which--the--owner--or--operator--accurately measured--or--calculated--the--volume--of--each--ink--as applied--and--the--amount--that--can--potentially--be used--each--year--on--the--printing--line--shall--be described--in--the--certification--to--the--Agency.

F Weight--of--VOM--per--volume--of--material--for--the--cleanup material--or--solvent--in--the--highest--VOM--content--as used--each--year--on--the--printing--line--in--units--of--kg/1-lbs--VOM/gal--of--each--material.

G the--greatest--volume--of--cleanup--material--or--solvent used--each--year--on--the--printing--line--shall--be described--in--the--certification--to--the--Agency.

H the--highest--fraction--of--cleanup--material--or--solvent which--is--not--recovered--or--recovered--for--reuse--or--disposed--during--any--1-hour--period.

B) On--and--after--a--date--containing--with--Section--219-106--the part--of--the--owner--or--operator--of--the--heatset--web--offset lithographic--printing--line--to--which--subsections--(f) and (g) of this--Section--are--applicable--that--exceeds--that--of--the--highest--VOM--content--of--any--record--showing--that--total--maximum--theoretical--emissions of--VOM--from--all--printing--lines--exceeds--90.7--kg--100--tons--in any--calendar--year--in--the--absence--of--a--potentially--used equipment--by--sending--a--copy--of--such--record--to--the--Agency.

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solution--and--ink--and--the--efficiency--of--each--control--device--that--be determined--by--the--applicable--test--method--and--procedures--specified--in Section--219-105--of--this--Part--to--establish--the--records--required--under this--subsection.

1) Any--owner--or--operator--of--a--printing--line--which--is--exempted--from the--limitations--of--subsection--(b) of--this--Section--because--of--the criteria--in--subsection--(a) of--this--Section--shall--comply--with--the following:

A) By--a--date--consistent--with--Section--219-106--of--this--Part--the owner--or--operator--of--a--heatset--web--offset--lithographic printing--line--to--which--subsection--(f) of--this--Section--is applicable--shall--certify--to--the--Agency--that--the--facility--is heatset--web--offset--lithographic--printing--line--exempt--under the--provisions--of--subsection--(a) of--this--Section. Such certification--shall--include:

1) A--declaration--that--the--heatset--web--offset--lithographic printing--line--is--exempt--from--the--limitations--of subsection--(b) of--this--Section--because--of--the--criteria in--subsection--(a) of--this--Section--and

2) Calculations--which--demonstrate--that--total--maximum theoretical--emissions--of--VOM--from--all heatset--web--offset--lithographic--printing--lines--at--the source--have--not--exceeded--90.7--kg--100--tons--per--calendar year--before--the--application--of--air--pollution--control equipment--to--total--maximum--theoretical--emissions--of--VOM for--a--heatset--web--offset--lithographic--printing--source is--the--sum--of--maximum--theoretical--emissions--of--VOM from--each--heatset--web--offset--lithographic--printing line--at--the--facility. The--following--equation--shall--be used--to--calculate--total--maximum--theoretical--emissions of--VOM--per--calendar--year--in--the--absence--of--air pollution--control--equipment--for--each heatset--web--offset--lithographic--printing--line--at--the source:

$$E(p) = (A \times B) + \frac{(C \times D) + 1995}{100} (P \times Q \times R)$$

where:

E(p) = total--maximum--theoretical--emissions--of--VOM--from--one heatset--web--offset--printing--line--in--units--of--kg/year (lbs/year);

A = Weight--of--VOM--per--volume--of--solids--of--ink--with--the highest--VOM--content--as--applied--each--year--on--the printing--line--in--units--of--kg--VOM/l--(lbs--VOM/gal)--of solids;

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within 30 days after the exceedance occurs:

2) Any owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(1) of this Section shall comply with the following:

A) By a date consistent with Section 219.106 of this Part or upon initial start-up of a new printing line or upon changing the method of compliance for an existing printing line from subsection (b)(2) to subsection (b)(1) of this Section, the owner or operator of the subject printing line shall perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(1) of this Section on and after a date consistent with Section 219.106 of this Part or on and after the initial start-up date.

B) On and after a date consistent with Section 219.106 of this Part or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(1) of this Section shall collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:

1) Control device monitoring data.

2) A log of operating time for the control device monitoring equipment and the associated printing time.

3) A maintenance log for the control device monitoring equipment.

4) Monitoring equipment detecting and recording and reporting the maintenance performed including dates and duration of any outages.

C) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

1) Any record showing violation of subsection (b)(1) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

2) At least 30 calendar days before changing the method of compliance with subsection (b) of this Section, the owner or operator shall comply with all requirements of subsection (b)(1) of this Section and subsection (b)(2) of this Section.

3) The method of compliance with subsection (b) of this Section shall be changed by the owner or operator of a subject printing line from subsection (b)(1) to (b)(2) or from subsection (b)(2) to (b)(1) of this Section only with a written request to the Agency.

3) Any owner or operator of a printing line subject to the

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limitations of subsection (b) of this Section and complying by means of subsection (b)(2) of this Section shall comply with the following:

A) By a date consistent with Section 219.106 of this Part or upon initial start-up of a new printing line or upon changing the method of compliance for an existing printing line from subsection (b)(1) to (b)(2) of this Section, the owner or operator of the subject printing line shall perform all tests and submit to the Agency and the USPA the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (b)(2) of this Section on and after a date consistent with Section 219.106 of this Part or on and after the initial start-up date.

B) On and after a date consistent with Section 219.106 of this Part or on and after the initial start-up date, the owner or operator of a printing line subject to the limitations of subsection (b) of this Section and complying by means of subsection (b)(2) of this Section shall collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:

1) The VOM content of the fountain solution used each day on each printing line.

2) A log of operating time for the control device and the associated printing time.

3) A maintenance log for the control device and printing time.

4) Monitoring equipment detecting and recording and reporting the maintenance performed including dates and duration of any outages.

C) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a subject printing line shall notify the Agency in the following instances:

1) Any record showing violation of subsection (b)(2) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation.

2) At least 30 calendar days before changing the method of compliance with subsection (b) of this Section, the owner or operator shall comply with all requirements of subsection (b)(1) of this Section and subsection (b)(2) of this Section.

3) The method of compliance with subsection (b) of this Section shall be changed by the owner or operator of a subject printing line from subsection (b)(1) to (b)(2) or from subsection (b)(2) to (b)(1) of this Section only with a written request to the Agency.

4) Compliance with the requirements of a new or amended subsection of this Section shall be achieved by the owner or operator of a subject printing line and reported to the Agency.



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operations associated with the lithographic printing line(s) never exceed 45.5 kg/day (100 lbs/day), as determined in accordance with Section 219.411(a)(1)(B), before the application of capture systems and control devices.

e) If a lithographic printing line at a source is or becomes subject to one or more of the limitations in Sections 219.406 or 219.407 of this Subpart, the lithographic printing line(s) at the source are always subject to the applicable provisions of this Subpart.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.406 Provisions Applying to Heatset Web Offset Lithographic  
Printing Prior to March 15, 1996

a) Emission Standards and Limitations. No owner or operator of a heated web offset printing line at a source that meets or exceeds the applicability levels in Section 219.405(a) of this Subpart may cause or allow the operation of such heatset web offset printing line(s) unless the owner or operator meets the requirements in subsections (a)(1) or (a)(2) of this Section and the requirements in subsections (a)(3) and (a)(4) of this Section. The owner or operator shall demonstrate compliance with this Section by using the applicable test methods and procedures specified in Section 219.405(a), (d), and (f) of this Part and by complying with the recordkeeping and reporting requirements specified in subsection (b) of this Section.

1) An afterburner system is installed and operated that reduces 30 percent of the VOC emissions (excluding methane and ethane) from the dryer exhaust; or

2) The fountain solution contains no more than 8 percent, by weight, of VOM and a condensation recovery system is installed and operated that removes at least 75 percent of the non-isopropyl alcohol organic materials from the dryer exhaust; and

31) The control device is equipped with the applicable monitoring equipment specified in Section 219.105(d)(2) of this Part and the monitoring equipment is installed, calibrated, operated and maintained according to manufacturer's specifications at all times when the control device is in use; and

4) The control device is operated at all times when the printing line is in operation.

b) Recording and Reporting. The VOM content of each fountain solution and ink and the efficiency of each control device shall be determined by the applicable test methods and procedures specified in Section 219.105 of this Part to establish the records required under this subsection.

1) Any owner or operator of a lithographic printing line which is exempted from the limitations of subsection (a) of this Section because of the criteria in 219.405(a) of this Subpart shall

## Capture systems and control devices

21) All owners or operators of heatset web offset, non-heatset web offset, or sheet-fed offset lithographic printing line(s), unless the combined emissions of VOM from all lithographic printing line(s) at the source (including solvents used or cleanup

Line(s) at the source (including solvents used for cleanup)



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comply with the following:

A) By a date consistent with Section 219.106 of this Part, the owner or operator of a heatset web offset lithographic printing line to which subsection (b)(1) of this Section is applicable shall certify to the Agency that the heatset web offset lithographic printing line is exempt under the provisions of Section 219.405(a) of this Subpart. Such certification shall include:

- i) A declaration that the heatset web offset lithographic printing line is exempt from the limitations of subsection (a) of this Section because of the criteria in Section 219.405(a) of this Subpart; and
- ii) Calculations which demonstrate that total maximum theoretical emissions of VOM from all heatset web offset lithographic printing lines at the source never exceed 90.7 Mg (100 tons) per calendar year before the application of air pollution control equipment. Total maximum theoretical emissions of VOM for a heatset web offset lithographic printing source is the sum of maximum theoretical emissions of VOM from each heatset web offset lithographic printing line at the source. The following equation shall be used to calculate total maximum theoretical emissions of VOM per calendar year in the absence of air pollution control equipment for each heatset web offset lithographic printing line at the source:

$$E(p) = (A \times B) + (C \times D) + 1095 (F \times G \times H) \\ 100$$

where:

E(p) = Total maximum theoretical emissions of VOM from one heatset web offset printing line in units of kg/yr (lb/yr);

A = Weight of VOM per volume of solids of ink with the highest VOM content as applied each year on the printing line in units of kg/l (lb/gal) of solids;

B = Total volume of solids for all inks that can potentially be applied each year on the printing line in units of l/yr (gal/yr). The instrument or method by which the owner or operator accurately measured or calculated the volume of each ink as applied and the amount that can potentially be applied each year on the printing line shall be described in the certification to the Agency;

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C = The weight percent VOM of the fountain solution with the highest VOM content;

D = The total volume of fountain solution that can potentially be used each year on the printing line in units of l/yr (gal/yr). The instrument and/or method by which the owner or operator accurately measured or calculated the volume of each fountain solution used and the amount that can potentially be used each year on the printing line shall be described in the certification to the Agency;

F = Weight of VOM per volume of material for the cleanup material or solvent with the highest VOM content as used each year on the printing line in units of kg/l (lb/gal) of such material;

G = The greatest volume of cleanup material or solvent used in any 8-hour period; and

H = The highest fraction of cleanup material or solvent which is not recycled or recovered for offsite disposal during any 8-hour period.

B) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a heatset web offset lithographic printing line to which subsection (b)(1) of this Section is applicable shall collect and record all of the following information each year for each printing line and maintain the information at the source for a period of three years:

- i) The name and identification of each fountain solution and ink as applied on each printing line; and
- ii) The VOM content and the volume of each fountain solution and ink as applied each year on each printing line.

C) On and after a date consistent with Section 219.106 of this Part, the owner or operator of a source exempted from the limitations of subsection (a) of this Section because of the criteria in Section 219.405(a) of this Subpart shall notify the Agency of any record showing that total maximum theoretical emissions of VOM from all heatset web offset lithographic printing lines exceed 90.7 Mg (100 tons) in any calendar year in the absence of air pollution control equipment by sending a copy of such record to the Agency within 30 days after the exceedance occurs.

2) Any owner or operator of a printing line subject to the limitations of subsection (a) of this Section and complying by means of subsection (a)(1) of this Section shall comply with the following:

A) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing

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line from subsection (a)(2) to (a)(1) of this Section, perform all tests and submit to the Agency the results of all tests and calculations necessary to demonstrate that the subject printing line will be in compliance with subsection (a)(1) of this Section on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date;

- B) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:
- i) Control device monitoring data;
  - ii) A log of operating time for the control device, monitoring equipment and the associated printing line; and
  - iii) A maintenance log for the control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages;

C) On and after a date consistent with Section 219.106 of this Part, notify the Agency in the following instances:

- i) Any violation of subsection (a)(1) of this Section shall be reported to the Agency, in writing, within 30 days following the occurrence of the violation;
  - ii) Any record showing a violation of subsection (a)(1) of this Section shall be reported by sending a copy of such record to the Agency within 30 days following the occurrence of the violation; and
  - iii) At least 30 calendar days before changing the method of compliance with subsection (a) of this Section from subsection (a)(1) to (a)(2) of this Section, the owner or operator shall comply with all requirements of subsection (b)(3)(A) of this Section. Upon changing the method of compliance with subsection (a) of this Section from subsection (a)(1) to (a)(2) of this Section, the owner or operator shall comply with all requirements of subsection (b)(3) of this Section.
- 3) Any owner or operator of a printing line subject to the limitations of subsection (a) of this Section and complying by means of subsection (a)(2) of this Section shall:
- A) By a date consistent with Section 219.106 of this Part, or upon initial start-up of a new printing line, or upon changing the method of compliance for an existing printing line from subsection (a)(1) to (a)(2) of this Section, perform all tests and submit to the Agency and the USEPA the results of all tests and calculations necessary to demonstrate that the subject printing line will be in

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compliance with subsection (a)(2) of this Section on and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date;

B) On and after a date consistent with Section 219.106 of this Part, or on and after the initial start-up date, collect and record the following information each day for each printing line and maintain the information at the source for a period of three years:

- i) The VOM content of the fountain solution used each day on each printing line;
- ii) A log of operating time for the control device and the associated printing line; and
- iii) A maintenance log for the control device detailing all routine and non-routine maintenance performed including dates and duration of any outages;

C) On and after a date consistent with Section 219.106 of this Part, notify the Agency in the following instances:

- i) Any violation of subsection (a)(2) shall be reported to the Agency, in writing, within 30 days following the occurrence of the violation;
  - ii) Any record showing a violation of subsection (a)(2) of this Section shall be reported by sending a copy of such record to the Agency within 30 day following the occurrence of the violation; and
  - iii) At least 30 calendar days before changing the method of compliance with subsection (a) of this Section from subsection (a)(2) to (a)(1) of this Section, the owner or operator shall comply with all requirements of subsection (b)(2)(A) of this Section. Upon changing the method of compliance with subsection (a) of this Section from subsection (a)(2) to (a)(1) of this Section, the owner or operator shall comply with all requirements of subsection (b)(2) of this Section.
- c) Compliance Schedule. Every owner or operator of a heatset web offset lithographic printing line shall comply with the applicable requirements of subsections (a) and (b) of this Section in accordance with the applicable compliance schedule specified in subsections (c)(1), (c)(2), or (c)(3) of this Section:
- 1) No owner or operator of a heatset web offset lithographic printing line which is exempt from the limitations of subsection (a) of this Section because of the criteria in Section 219.105(a) of this Subpart shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, Sections 219.405(a) and 219.406(b)(1) of this Subpart.
  - 2) No owner or operator of a heatset web offset lithographic printing line complying by means of subsection (a)(1) of this Section shall operate said printing line on or after a date



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consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsections (a)(1), (a)(3), (a)(4) and (b)(2) of this Section.

- 3) No owner or operator of a heatset web offset lithographic printing line complying by means of subsection (a)(2) of this Section shall operate said printing line on or after a date consistent with Section 219.106 of this Part, unless the owner or operator has complied with, and continues to comply with, subsections (a)(2), (a)(3), (a)(4) and (b)(3) of this Section.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

### Section 219.407 Emission Limitations and Control Requirements for Lithographic Printing Lines On and After March 15, 1996

- a) On and after March 15, 1996, no owner or operator of lithographic printing line(s) subject to the requirements of this Subpart shall:
- 1) Cause or allow the operation of any heatset web offset lithographic printing line unless:

A) The total VOM content in the as-applied fountain solution meets one of the following conditions:

- i) 1.6 percent or less, by volume;
- ii) 3 percent or less, by volume, and the temperature of the fountain solution is maintained below 15.6°C (60°F), measured at the reservoir or the fountain tray; or
- iii) 5 percent or less, by volume, and the as-applied fountain solution contains no alcohol;

B) The air pressure in the dryer is maintained lower than the air pressure of the press room, such that air flow through all openings in the dryer, other than the exhaust, is into the dryer at all times when the printing line is operating;

- C) An afterburner is installed and operated so that VOM emissions (excluding methane and ethane) from the press dryer exhaust(s) are reduced by 90 percent, by weight, or to a maximum afterburner exhaust outlet concentration of 20 ppmv (as carbon);
- D) The afterburner is equipped with the applicable monitoring equipment specified in Section 219.105(d)(2) of this Part and the monitoring equipment is installed, calibrated, operated, and maintained according to manufacturer's specifications at all times when the afterburner is in use; and

E) The afterburner is operated at all times when the printing line is in operation;

- 2) Cause or allow the operation of any non-heatset web offset lithographic printing line unless the VOM content of the

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as-applied fountain solution is 5 percent or less, by volume, and the as-applied fountain solution contains no alcohol;

- 3) Cause or allow the operation of any sheet-fed offset lithographic printing line unless:

A) The VOM content of the as-applied fountain solution is 5 percent or less, by volume; or

B) The VOM content of the as-applied fountain solution is 8.5 percent or less, by volume, and the temperature of the fountain solution is maintained below 15.6°C (60°F), measured at the reservoir or the fountain tray;

- 4) Cause or allow the use of a cleaning solution on any lithographic printing line unless:

A) The VOM content of the as-used cleaning solution is less than or equal to 30 percent, by weight; or

B) The VOM composite partial vapor pressure of the as-used cleaning solution is less than 10 mmHg at 20°C (68°F);

- 5) Cause or allow VOM containing cleaning materials, including used cleaning towels, associated with any lithographic printing line to be kept, stored or disposed of in any manner other than in closed containers.

b) An owner or operator of a heatset web offset lithographic printing line subject to the requirements of Section 219.407(a)(1)(C) of this Subpart may use a control device other than an afterburner, if:

- 1) The control device reduces VOM emissions from the press dryer exhaust(s) by at least 90 percent, by weight, or to a maximum control device exhaust outlet concentration of 20 ppmv (as carbon);

2) The owner or operator submits a plan to the Agency detailing appropriate monitoring devices, test methods, recordkeeping requirements, and operating parameters for the control device; and

- 3) The use of the control device with testing, monitoring, and recordkeeping in accordance with this plan is approved by the Agency and USEPA as federally enforceable permit conditions.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

### Section 219.408 Compliance Schedule for Lithographic Printing On and After March 15, 1996

- a) Every owner or operator of a lithographic printing line subject to one or more of the control requirements of Section 219.407 of this Subpart shall comply with the applicable requirements of Sections 219.407 through 219.411 of this Subpart on and after March 15, 1996, or upon initial start-up, whichever is later.

b) No owner or operator of a lithographic printing line which is exempt from the limitations of Section 219.407 of this Subpart because of the



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criteria in Section 219.405(d) of this Subpart, shall operate said printing line on or after March 15, 1996, unless the owner or operator has complied with, and continues to comply with, Sections 219.405(d) and 219.411(a) of this Subpart.

(Source: Added at 19 Ill. Reg. 6958, effective  
MAY 09 1995)

## Section 219.409 Testing for Lithographic Printing On and After March 15, 1996

a) Testing to demonstrate compliance with the requirements of Section 219.407 of this Subpart shall be conducted by the owner or operator within 90 days after a request by the Agency. Such testing shall be conducted at the expense of the owner or operator and the owner or operator shall notify the Agency in writing 30 days in advance of conducting such testing to allow the Agency to be present during such testing.

b) The methods and procedures of Section 219.105(d) and (f) shall be used for testing to demonstrate compliance with the requirements of Section 219.407(a)(1)(C) or (b)(1) of this Subpart, as follows:

- 1) To select the sampling sites, Method 1 or 1A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference at Section 219.112 of this Part. The sampling sites for determining efficiency in reducing VOM from the dryer exhaust shall be located between the dryer exhaust and the control device inlet, and between the outlet of the control device and the exhaust to the atmosphere;
- 2) To determine the volumetric flow rate of the exhaust stream, Method 2, 2A, 2C, or 2D, as appropriate, 40 CFR 60, Appendix A, incorporated by reference at Section 219.112 of this Part;
- 3) To determine the VOM concentration of the exhaust stream entering and exiting the control device, Method 25 or 25A, as appropriate, 40 CFR 60, Appendix A, incorporated by reference at Section 219.112 of this Part. For thermal and catalytic afterburners, Method 25 must be used except under the following circumstances, in which case Method 25A must be used:

- A) The allowable outlet concentration of VOM from the control device is less than 50 ppmv, as carbon;
- B) The VOM concentration at the inlet of the control device and the required level of control result in exhaust concentrations of VOM of 50 ppmv, or less, as carbon; and
- C) Due to the high efficiency of the control device, the anticipated VOM concentration at the control device exhaust is 50 ppmv or less, as carbon, regardless of inlet concentration. If the source elects to use Method 25A under this option, the exhaust VOM concentration must be 50 ppmv or less, as carbon, and the required destruction efficiency must be met for the source to have demonstrated compliance. If the Method 25A test results show that the required

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destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, a retest is required. The retest shall be conducted using either Method 25 or Method 25A. If the retest is conducted using Method 25A and the test results again show that the required destruction efficiency apparently has been met, but the exhaust concentration is above 50 ppmv, as carbon, the source must retest using Method 25;

- 4) Notwithstanding the criteria or requirements in Method 25 which specifies a minimum probe temperature of 129°C (265°F), the probe must be heated to at least the gas stream temperature of the dryer exhaust, typically close to 176.7°C (350°F);

5) During testing, the printing line(s) shall be operated at representative operating conditions and flow rates; and

- 6) During testing, an air flow direction indicating device, such as a smoke stick, shall be used to demonstrate 100 percent emissions capture efficiency for the dryer in accordance with Section 219.407(a)(1)(B) of this Subpart.

c) Testing to demonstrate compliance with the VOM content limitations in Section 219.407(a)(1)(A), (a)(2), (a)(3) and (a)(4)(A) of this Subpart, and to determine the VOM content of fountain solutions, fountain solution additives, cleaning solvents, cleaning solutions, and inks (pursuant to the requirements of Section 219.411(a)(1)(B) of this Subpart), shall be conducted upon request of the Agency, as follows:

- 1) The applicable test methods and procedures specified in Section 219.105(a) of this Part shall be used; provided, however, Method 24, incorporated by reference at Section 219.112 of this Part, shall be used to demonstrate compliance; or
- 2) The manufacturer's specifications for VOM content for fountain solution additives, cleaning solvents, and inks may be used if such manufacturer's specifications are based on results of tests of the VOM content conducted in accordance with methods specified in Section 219.105(a) of this Part; provided, however, Method 24 shall be used to determine compliance.
- d) Testing to demonstrate compliance with the requirements of Section 219.407(b) of this Subpart shall be conducted as set forth in the owner or operator's plan approved by the Agency and USEPA as federally enforceable permit conditions pursuant to Section 219.407(b) of this Subpart.
- e) Testing to determine the VOM composite partial vapor pressure of cleaning solvents, cleaning solvent concentrates, and as-used cleaning solutions shall be conducted in accordance with the applicable methods and procedures specified in Section 219.110 of this Part.

(Source: Added at 19 Ill. Reg. 6958, effective  
MAY 09 1995)

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**Section 219.410 Monitoring Requirements for Lithographic Printing****a) Fountain Solution Temperature.**

- 1) The owner or operator of any lithographic printing line(s) relying on the temperature of the fountain solution to demonstrate compliance shall install, maintain, and continuously operate a temperature monitor of the fountain solution in the reservoir or fountain tray, as applicable.
- 2) The temperature monitor must be capable of reading with an accuracy of 0.3°C or 0.5°F, and must be attached to an automatic, continuous recording device such as a strip chart, recorder, or computer, with at least the same accuracy, that is installed, calibrated and maintained in accordance with the manufacturer's specifications. If the automatic, continuous recording device malfunctions, the owner or operator shall record the temperature of the fountain solution at least once every two operating hours. The automatic, continuous recording device shall be repaired or replaced as soon as practicable.

**b) Fountain Solution VOM Content.** The owner or operator of any lithographic printing line(s) subject to Section 219.407(a)(1)(A), (a)(2) or (a)(3) of this Subpart shall:

- 1) For a fountain solution to which VOM is not added automatically:
  - A) Maintain records of the VOM content of the fountain solution in accordance with Section 218.411(c)(2)(C); or
  - B) Take a sample of the as-applied fountain solution from the fountain tray or reservoir, as applicable, each time a fresh batch of fountain solution is prepared or each time VOM is added to an existing batch of fountain solution in the fountain tray or reservoir, and shall determine compliance with the VOM content limitation of the as-applied fountain solution by using one of the following options:
    - i) With a refractometer or hydrometer with a visual, analog, or digital readout and with an accuracy of 0.5 percent. The refractometer or hydrometer must be calibrated with a standard solution for the type of VOM used in the fountain solution, in accordance with manufacturer's specifications, against measurements performed to determine compliance. The refractometer or hydrometer must be corrected for temperature at least once per 8-hour shift or once per batch of fountain solution prepared or modified, whichever is longer; or
    - ii) With a conductivity meter if it is demonstrated that a refractometer and hydrometer cannot distinguish between compliant and noncompliant fountain solution for the type and amount of VOM in the fountain solution. A source may use a conductivity meter if it demonstrates that both hydrometers and refractometers

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fail to provide significantly different measurements for standard solutions containing 95 percent, 100 percent and 105 percent of the applicable VOM content limit. The conductivity meter reading for the fountain solution must be referenced to the conductivity of the incoming water. A standard solution shall be used to calibrate the conductivity meter for the type of VOM used in the fountain solution, in accordance with manufacturer's specifications;

- 2) For fountain solutions to which VOM is added at the source with automatic feed equipment, determine the VOM content of the as-applied fountain solution based on the setting of the automatic feed equipment which makes additions of VOM up to a pre-set level. The equipment used to make automatic additions must be installed, calibrated, operated and maintained in accordance with manufacturer's specifications.
- c) Afterburners For Heatset Web Offset Lithographic Printing Line(s) If an afterburner is used to demonstrate compliance, the owner or operator of a heatset web offset lithographic printing line subject to Section 219.407(a)(1)(C) of this Subpart shall:
  - 1) Install, calibrate, maintain, and operate temperature monitoring device(s) with an accuracy of 3°C or 5°F on the afterburner in accordance with Section 219.105(d)(2) of this Part and in accordance with the manufacturer's specifications. Monitoring shall be performed at all times when the afterburner is operating; and
  - 2) Install, calibrate, operate and maintain, in accordance with manufacturer's specifications, a continuous recorder on the temperature monitoring device(s), such as a strip chart, recorder or computer, with at least the same accuracy as the temperature monitor.
- d) Other Control Devices for Heatset Web Offset Lithographic Printing Line(s) If a control device other than an afterburner is used to demonstrate compliance, the owner or operator of a heatset web offset lithographic printing line subject to this Subpart shall install, maintain, calibrate and operate such monitoring equipment as set forth in the owner or operator's plan approved by the Agency and USEPA pursuant to Section 219.407(b) of this Subpart.
- e) Cleaning Solution.
  - 1) The owner or operator of any lithographic printing line relying on the VOM content of the cleaning solution to comply with Section 219.407(a)(4)(A) of this Subpart must:
    - A) For cleaning solutions that are prepared at the source with equipment that automatically mixes cleaning solvent and water (or other non-VOM):
      - i) Install, operate, maintain, and calibrate the



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automatic feed equipment in accordance with manufacturer's specifications to regulate the volume of each of the cleaning solvent and water (or other non-VOM), as mixed; and

- ii) Pre-set the automatic feed equipment so that the consumption rates of the cleaning solvent and water (or other non-VOM), as applied, comply with Section 219.407(a)(4)(A) of this Subpart;

- B) For cleaning solutions that are not prepared at the source with automatic feed equipment, keep records of the usage of cleaning solvent and water (or other non-VOM) as set forth in Section 219.411(d)(2) of this Subpart.

- 2) The owner or operator of any lithographic printing line relying on the vapor pressure of the cleaning solution to comply with Section 219.407(a)(4)(B) of this Subpart must keep records for such cleaning solutions used on any such line(s) as set forth in Section 219.411(d)(2)(C) of this Subpart.

(Source: <sup>Added</sup> MAY 09 1985 19 Ill. Reg. 6958, effective

## Section 219.411 Recordkeeping and Reporting for Lithographic Printing

- a) An owner or operator of lithographic printing line(s) exempt from the limitations of Section 219.407 of this Subpart because of the criteria in Section 219.405(d) of this Subpart shall comply with the following:

- 1) By March 15, 1996, upon initial start-up of a new lithographic printing line, and upon modification of a lithographic printing line, submit a certification to the Agency that includes:

- A) A declaration that the source is exempt from the control requirements in Section 219.407 of this Part because of the criteria in Section 219.405(d) of this Subpart;

- B) Calculations which demonstrate that combined emissions of VOM from all lithographic printing lines (including inks, fountain solutions, and solvents used for cleanup operations associated with the lithographic printing lines) at the source never exceed 45.5 kg/day (100 lbs/day) before the use of capture systems and control devices, as follows:

- 1) To calculate daily emissions of VOM, the owner or operator shall determine the monthly emissions of VOM from all lithographic printing lines at the source (including solvents used for cleanup operations associated with the lithographic printing lines) and divide this amount by the number of days during that calendar month that printing lines at the source were in operation;

- ii) To determine the VOM content of the inks, fountain solution additives and cleaning solvents, the tests

methods and procedures set forth in Section 219.409(c) of this Subpart shall be used;

- iii) To determine VOM emissions from inks used on lithographic printing line(s) at the source, an ink emission adjustment factor of 0.05 shall be used in calculating emissions from all non-heatset inks, and a factor of 0.80 shall be used in calculating emissions from all heatset inks to account for VOM retention in the substrate. The VOM content of the ink, as used, shall be multiplied by this factor to determine the amount of VOM emissions from the use of ink on the printing line(s); and

- iv) To determine VOM emissions from fountain solutions and cleaning solvents used on lithographic printing line(s) at the source, no retention factor is used;

- C) Either a declaration that the source, through federally enforceable permit conditions, has limited its maximum theoretical emissions of VOM from all heatset web offset lithographic printing lines (including solvents used for cleanup operations associated with heatset web offset printing lines) at the source to no more than 90.7 Mg (100 tons) per calendar year before the application of capture systems and control devices or calculations which demonstrate that the source's total maximum theoretical emissions of VOM do not exceed 90.7 Mg/yr (100 TPY). To determine the source's total maximum theoretical emissions for the purposes of this subsection, the owner or operator shall use the calculations set forth in Section 219.406(b)(1)(A)(ii) of this Subpart; and

- D) A description and the results of all tests used to determine the VOM content of inks, fountain solution additives, and cleaning solvents, and a declaration that all such tests have been properly conducted in accordance with Section 219.409(c)(1) of this Subpart;

- 2) On and after March 15, 1996, collect and record either the information specified in subsection (a)(2)(A) or (a)(2)(B) of this Section for all lithographic printing lines at the source:

- A) Standard recordkeeping, including the following:

- i) The name and identification of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;

- ii) A daily record which shows whether a lithographic printing line at the source was in operation on that day;

- iii) The VOM content and the volume of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line.



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- recorded each month;
- iv) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month; and
- v) The VOM emissions in lbs/day for the month, calculated in accordance with Section 218.411(a)(1)(B) of this Subpart;
- B) Purchase and inventory recordkeeping, including the following:
- i) The name, identification, and VOM content of each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line, recorded each month;
- ii) Inventory records from the beginning and end of each month indicating the total volume of each fountain solution additive, lithographic ink, and cleaning solvent to be used on any lithographic printing line at the source;
- iii) Monthly purchase records for each fountain solution additive, lithographic ink, and cleaning solvent used on any lithographic printing line at the source;
- iv) A daily record which shows whether a lithographic printing line at the source was in operation on that day;
- v) The total VOM emissions at the source each month, determined as the sum of the product of usage and VOM content for each fountain solution additive, cleaning solvent, and lithographic ink (with the applicable ink VOM emission adjustment) used at the source, calculated each month based on the monthly inventory and purchase records required to be maintained pursuant to subsections (a)(2)(B)(i), (a)(2)(B)(ii) and (a)(2)(B)(iii) of this Section; and
- vi) The VOM emissions in lbs/day for the month, calculated in accordance with Section 218.411(a)(1)(B) of this Subpart;
- 3) On and after March 15, 1996, notify the Agency in writing if the combined emissions of VOM from all lithographic printing lines (including inks, fountain solutions, and solvents used for cleanup operations associated with the lithographic printing lines) at the source ever exceed 45.5 kg/day (100 lbs/day), before the use of capture systems and control devices, within 30 days after the event occurs. Such notification shall include a copy of all records of such event.
- b) An owner or operator of a heatset web offset lithographic printing

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- line(s) subject to the control requirements of Section 219.407(a)(1)(C) or (b)(1) of this Subpart shall comply with the following:
- 1) By March 15, 1996, upon initial start-up of a new printing line, and upon initial start-up of a new control device for a heatset web offset printing line, submit a certification to the Agency that includes the following:
- A) An identification of each heatset web offset lithographic printing line at the source;
- B) A declaration that each heatset web offset lithographic printing line is in compliance with the requirements of Section 219.407 (a)(1)(B), (a)(1)(C), (a)(1)(D) and (a)(1)(E) or (b) of this Subpart, as appropriate;
- C) The type of afterburner or other approved control device used to comply with the requirements of Section 219.407(a)(1)(C) or (b)(1) of this Subpart;
- D) The control requirements in Section 219.407(a)(1)(C) or (b)(1) of this Subpart with which the lithographic printing line is complying;
- E) The results of all tests and calculations necessary to demonstrate compliance with the control requirements of Section 219.407(a)(1)(C) or (b)(1) of this Subpart, as applicable; and
- F) A declaration that the monitoring equipment required under Section 219.407(a)(1)(D) or (b) of this Subpart, as applicable, has been properly installed and calibrated according to manufacturer's specifications;
- 2) If testing of the afterburner or other approved control device is conducted pursuant to Section 219.409(b) of this Subpart, the owner or operator shall, within 90 days after conducting such testing, submit a copy of all test results to the Agency and shall submit a certification to the Agency that includes the following:
- A) A declaration that all tests and calculations necessary to demonstrate whether the lithographic printing line(s) is in compliance with Section 219.407(a)(1)(C) or (b)(1) of this Subpart, as applicable, have been properly performed;
- B) A statement whether the lithographic printing line(s) is or is not in compliance with Section 219.407(a)(1)(C) or (b)(1) of this Subpart, as applicable; and
- C) The operating parameters of the afterburner or other approved control device during testing, as monitored in accordance with Section 219.410(c) or (d) of this Subpart, as applicable;
- 3) On and after March 15, 1996, collect and record daily the following information for each heatset web offset lithographic printing line subject to the requirements of Section 219.407(a)(1)(C) or (b)(1) of this Subpart:

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- A) Afterburner or other approved control device monitoring data in accordance with Section 219.410(c) or (d) of this Subpart, as applicable;
- B) A log of operating time for the afterburner or other approved control device, monitoring equipment, and the associated printing line;
- C) A maintenance log for the afterburner or other approved control device and monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of any outages; and
- D) A log detailing checks on the air flow direction or air pressure of the dryer and press room to insure compliance with the requirements of Section 219.407(a)(1)(B) of this Subpart at least once per 24-hour period while the line is operating;
- 4) On and after March 15, 1996, notify the Agency in writing of any violation of Section 219.407(a)(1)(C) or (b)(1) of this Subpart within 30 days after the occurrence of such violation. Such notification shall include a copy of all records of such violation;
- 5) If changing its method of compliance between subsections (a)(1)(C) and (b) of Section 219.407 of this Subpart, certify compliance for the new method of compliance in accordance with subsection (b)(1) of this Section at least 30 days before making such change, and perform all tests and calculations necessary to demonstrate that such printing line(s) will be in compliance with the requirements of Section 219.407(a)(1)(B), (a)(1)(C), (a)(1)(D) and (a)(1)(E) of this Subpart, or Section 219.407(b) of this Subpart, as applicable.
- c) An owner or operator of a lithographic printing line subject to Section 219.407(a)(1)(A), (a)(2), or (a)(3) of this Subpart, shall:
- 1) By March 15, 1996, and upon initial start-up of a new lithographic printing line, certify to the Agency that fountain solutions used on each lithographic printing line will be in compliance with the applicable VOM content limitation. Such certification shall include:
- A) Identification of each lithographic printing line at the source, by type, e.g., heatset web offset, non-heatset web offset, or sheet-fed offset;
- B) Identification of each centralized fountain solution reservoir and each lithographic printing line that it serves;
- C) The VOM content limitation with which each fountain solution will comply;
- D) Initial documentation that each type of fountain solution will comply with the applicable VOM content limitation, including copies of manufacturer's specifications, test results, if any, formulation data and calculations;

- E) Identification of the method that will be used to demonstrate continuing compliance with the applicable limitation, e.g., a refractometer, hydrometer, conductivity meter, or recordkeeping procedures with detailed description of the compliance methodology; and
- F) A sample of the records that will be kept pursuant to Section 219.411(c)(2) of this Subpart.
- 2) On and after March 15, 1996, collect and record the following information for each fountain solution:
- A) The name and identification of each batch of fountain solution prepared for use on one or more lithographic printing lines, the lithographic printing line(s) or centralized reservoir using such batch of fountain solution, and the applicable VOM content limitation for the batch;
- B) If an owner or operator uses a hydrometer, refractometer, or conductivity meter, pursuant to Section 219.410(b)(1)(B), to demonstrate compliance with the applicable VOM content limit in Section 219.407(a)(1)(A), (a)(2), or (a)(3) of this Subpart:
- i) The date and time of preparation, and each subsequent modification, of the batch;
- ii) The results of each measurement taken in accordance with Section 219.410(b) of this Subpart;
- iii) Documentation of the periodic calibration of the meter in accordance with the manufacturer's specifications, including date and time of calibration, personnel conducting, identity of standard solution, and resultant reading; and
- iv) Documentation of the periodic temperature adjustment of the meter, including date and time of adjustment, personnel conducting and results;
- C) If the VOM content of the fountain solution is determined pursuant to Section 219.410(b)(1)(A) of this Subpart, for each batch of as-applied fountain solution:
- i) Date and time of preparation and each subsequent modification of the batch;
- ii) Volume and VOM content of each component used in, or subsequently added to, the fountain solution batch;
- iii) Calculated VOM content of the as-applied fountain solution; and
- iv) Any other information necessary to demonstrate compliance with the applicable VOM content limits in Section 219.407(a)(1)(A), (a)(2), and (a)(3) of this Subpart, as specified in the source's operating permit;
- D) If the owner or operator relies on the temperature of the fountain solution to comply with the requirements in Section 219.407(a)(1)(A)(i) or (a)(3)(B) of this Subpart:



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- i) The temperature of the fountain solution at each printing line, as monitored in accordance with Section 219.410(a); and
- ii) A maintenance log for the temperature monitoring devices and automatic, continuous temperature recorders detailing all routine and non-routine maintenance performed, including dates and duration of any outages;
- 3) Notify the Agency in writing of any violation of Section 219.407 of this Subpart within 30 days after the occurrence of such violation. Such notification shall include a copy of all records of such violation; and
- 4) If changing its method of demonstrating compliance with the applicable VOM content limitations in Section 219.407 of this Subpart, or changing the method of demonstrating compliance with the VOM content limitations for fountain solutions pursuant to Section 219.409 of this Subpart, certify compliance for such new method(s) in accordance with subsection (c)(1) of this Section within 30 days after making such change, and perform all tests and calculations necessary to demonstrate that such printing line(s) will be in compliance with the applicable requirements of Section 219.407 of this Subpart.
- d) For lithographic printing line cleaning operations, an owner or operator of a lithographic printing line subject to the requirements of Section 219.407 of this Subpart shall:
- 1) By March 15, 1996, or upon initial start-up of a new lithographic printing line, certify to the Agency that all cleaning solutions, and the handling of cleaning materials, will be in compliance with the requirements of Section 219.407(a)(4)(A) or (a)(4)(B) and (a)(5) of this Subpart, and such certification shall also include:
- A) Identification of each VOM-containing cleaning solution used on each lithographic printing line;
- B) The limitation with which each VOM-containing cleaning solution will comply, i.e., the VOM content or vapor pressure;
- C) Initial documentation that each VOM-containing cleaning solution will comply with the applicable limitation, including copies of manufacturer's specifications, test results, if any, formulation data and calculations;
- D) Identification of the method that will be used to demonstrate continuing compliance with the applicable limitations;
- E) A sample of the records that will be kept pursuant to Section 219.411(d)(2) of this Subpart; and
- F) A description of the practices that assure that VOM-containing cleaning materials are kept in closed containers;

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- 2) On and after March 15, 1996, collect and record the following information for each cleaning solution used on each lithographic printing line:
- A) For each cleaning solution for which the owner or operator relies on the VOM content to demonstrate compliance with Section 219.407(a)(4)(A) of this Subpart and which is prepared at the source with automatic equipment:
- i) The name and identification of each cleaning solution;
- ii) The VOM content of each cleaning solvent in the cleaning solution, as determined in accordance with Section 219.409(c) of this Subpart;
- iii) Each change to the setting of the automatic equipment, with date, time, description of changes in the cleaning solution constituents (e.g., cleaning solvents), and a description of changes to the proportion of cleaning solvent and water (or other non-VOM);
- iv) The proportion of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution;
- v) The VOM content of the as-used cleaning solution, with supporting calculations; and
- vi) A calibration log for the automatic equipment, detailing periodic checks;
- B) For each batch of cleaning solution for which the owner or operator relies on the VOM content to demonstrate compliance with Section 219.407(a)(4)(A) of this Subpart, and which is not prepared at the source with automatic equipment:
- i) The name and identification of each cleaning solution;
- ii) Date and time of preparation, and each subsequent modification, of the batch;
- iii) The VOM content of each cleaning solvent in the cleaning solution, as determined in accordance with Section 219.409(c) of this Subpart;
- iv) The total amount of each cleaning solvent and water (or other non-VOM) used to prepare the as-used cleaning solution; and
- v) The VOM content of the as-used cleaning solution, with supporting calculations;
- C) For each batch of cleaning solution for which the owner or operator relies on the vapor pressure of the cleaning solution to demonstrate compliance with Section 219.407(a)(4)(B) of this Subpart:
- i) The name and identification of each cleaning solution;
- ii) Date and time of preparation, and each subsequent modification, of the batch;
- iii) The molecular weight, density, and VOM composite partial vapor pressure of each cleaning solvent, as



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determined in accordance with Section 219.409(e) of this Subpart;

- iv) The total amount of each cleaning solvent used to prepare the as-used cleaning solution; and
- v) The VOM composite partial vapor pressure of each as-used cleaning solution, as determined in accordance with Section 219.409(e) of this Subpart;

D) The date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control VOM emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any;

- 3) On and after March 15, 1996, notify the Agency in writing of any violation of Section 219.407 of this Subpart within 30 days after the occurrence of such violation. Such notification shall include a copy of all records of such violation; and

4) If changing its method of demonstrating compliance with the requirements of Section 219.407(a)(4) of this Subpart, or changing between automatic and manual methods of preparing cleaning solutions, certify compliance for such new method in accordance with subsection (d)(1) of this Section, within 30 days after making such change, and perform all tests and calculations necessary to demonstrate that such printing line(s) will be in compliance with the applicable requirements of Section 219.407(a)(4) of this Subpart.

- e) The owner or operator shall maintain all records required by this Section at the source for a minimum period of three years and shall make all records available to the Agency upon request.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

## SUBPART 0: BEAKS-FROM SYNTHETIC ORGANIC CHEMICAL AND POLYMER MANUFACTURING PLANT

## Section 219.431 Applicability

- a) The provisions of Sections 219.431 through 219.436 of this Subpart shall apply to every owner or operator of any chemical manufacturing process unit that manufactures, as a primary product, one or more of the chemicals listed in Appendix A of this Part and that chemical manufacturing process unit causes or allows any reactor or distillation unit, either individually or in tandem, to discharge one or more process vent streams either directly to the atmosphere or to a recovery system.

- b) Notwithstanding subsection (a) of this Section, the control requirements set forth within Section 219.432 of this Subpart shall not apply to the following:

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- 1) Any process vent stream with a total resource effectiveness (TRE) index value greater than 1.0. However, such process vent stream remains subject to the performance testing requirements contained in Section 219.433 of this Subpart and the reporting and recordkeeping requirements contained in Section 219.435 of this Subpart;

2) Any reactor or distillation unit that is designed and operated as a batch operation;

3) Any reactor or distillation unit that is part of a polymer manufacturing operation;

4) Any reactor or distillation unit that is part of the chemical manufacturing process unit with a total design capacity of less than 1 gigagram (1,100 tons) per year for all chemicals produced, as a primary product, within that process unit. However, such operations remain subject to the reporting and recordkeeping requirements contained in Section 219.435(d) of this Subpart;

5) Any vent stream with a flow rate less than 0.0085 scm/min or a total VOM concentration, less methane and ethane, of less than 500 ppmv as measured by Method 18, or a concentration of VOM of less than 250 ppmv as measured by Method 25A. However, such operations remain subject to the performance testing requirement listed in Section 219.433 of this Subpart, as well as the reporting and recordkeeping requirements contained in Section 219.435 of this Subpart; or

6) Any reactor or distillation unit included within an Early Reduction Program, as specified in 40 CFR 63, and published in 57 Fed. Reg. 61370 (October 22, 1993), evidenced by a timely enforceable commitment approved by USEPA.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

## Section 219.432 Control Requirements

- a) Every owner or operator of a source subject to the requirements of this Subpart, as determined by Section 219.431 of this Subpart, shall either:

1) Reduce emissions of VOM, less methane or ethane, by 98 weight-percent, or to 20 ppmv, on a dry basis, corrected to 3 percent oxygen, whichever is less stringent;

2) If a boiler or process heater is used to comply with this Subpart, the vent stream shall be introduced into the flame zone of the boiler or process heater; or

3) If a flare is used to comply with this Subpart, it shall comply with the requirements of 40 CFR 60.18, incorporated by reference at Section 219.112 of this Part. The flare operation requirements of 40 CFR 60.18 do not apply if a process, not subject to this Subpart, vents an emergency relief discharge into

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a common flare header and causes the flare servicing the process subject to this Subpart to not comply with one or more of the provisions of 40 CFR 60.18.

- b) Notwithstanding subsection (a) or (c) of this Section, and subject to subsection (b)(2) of this Section:

1) No owner or operator of a source subject to Section 219.432 of this Subpart shall cause or allow VOM to be emitted through an existing control device unless the control device is operated to achieve:

- A) 90 percent control of the VOM emissions vented to it; or  
B) VOM emissions concentration of less than 50 ppmv, on a dry basis.

2) Any existing control device subject to subsection (a) of this Section is required to meet the 98 percent emissions limit set forth in subsection (a)(1) upon the earlier to occur of the date the control device is replaced for any reason, including, but not limited to, normal maintenance, malfunction, accident, and obsolescence, or December 31, 1999. A control device is considered to be replaced when:

- A) All of the device is replaced; or  
B) When the cost to repair the device or the cost to replace part of the device exceeds 50 percent of the cost of replacing the entire device with a device that complies with the 98% emissions limitation in subsection (a)(1) of this Section.

c) For each individual vent stream within a chemical manufacturing process unit with a TRE index value greater than 1.0, the owner or operator shall maintain process vent stream parameters that retain a calculated TRE index value greater than 1.0 by means of recovery. Any recovery device shall have as its primary purpose the capture of chemicals for use, reuse or sale. The TRE index value shall be calculated at the outlet of the final recovery device.

(Source: Added at 19 Ill. Reg. 6958, effective MAV 0 1000)

## Section 219.433 Performance and Testing Requirements

a) For the purpose of demonstrating compliance with the TRE index value in Section 219.432(c) of this Subpart, an engineering assessment shall be made to determine process vent stream flow rate, net heating value, and VOM emission rate for the representative operating conditions expected to yield the lowest TRE index value. The source shall also calculate the TRE index values pursuant to the equations contained within Appendix G (b)(1) of this Part.

- 1) If the TRE index value calculated using such engineering assessment and the TRE equation in Appendix G (b)(1) of this Part is greater than 4.0, then the owner or operator is exempt from

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performing the measurements specified in Appendix G (a) of this Part.

- 2) If the TRE index value calculated using such engineering assessment and the TRE equation in Appendix G (b)(1) of this Part is less than or equal to 4.0, then the owner or operator shall perform the measurements specified in Appendix G (a) of this Part. An owner or operator of a source may, in the alternative, elect to comply with the control requirements specified in Section 219.432 of this Subpart rather than performing the measurements in Appendix G (a) of this Part.  
3) An engineering assessment shall include, but is not limited to, the following:

- A) Previous test results, provided the tests are representative of current operating practices at the chemical manufacturing process unit;  
B) Bench-scale or pilot-scale test data of the process under representative operating conditions;  
C) Maximum flow rate, as stated within a permit limit, applicable to the process vent;  
D) Design analysis based on accepted chemical engineering principles, measurable process parameters, or physical or chemical laws or properties. Examples of analytical methods include, but are not limited to, the following:  
i) Use of material balances based on process stoichiometry to estimate maximum VOM concentrations;  
ii) Estimation of maximum flow rate based on physical equipment design such as pump or blower capacities;  
iii) Estimation of VOM concentrations based on saturation conditions; and  
iv) Estimation of maximum expected net heating value based on the stream concentration of each organic compound, or, alternatively, as if all VOM in the stream were the compound with the highest heating value.

E) All data, assumptions, and procedures used in the engineering assessment shall be documented.

- b) For the purpose of demonstrating compliance with the control requirements in Section 219.432 of this Subpart, the chemical manufacturing process unit shall be run at representative operating conditions and flow rates during any performance test.

c) The following methods in 40 CFR 60, incorporated by reference at Section 219.112 of this Part, shall be used to demonstrate compliance with the reduction efficiency requirement listed in Section 219.432(a)(1) of this Subpart.

- 1) Method 1 or 1A, incorporated by reference at Section 219.112 of this Part, as appropriate, for selection of the sampling sites. The control device inlet sampling site for determination of vent stream molar composition or VOM content, less methane and ethane, reduction efficiency shall be located after the last recovery



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device but prior to the inlet of the control device, prior to any dilution of the process vent stream, and prior to release to the atmosphere.

2) Method 2, 2A, 2C or 2D, incorporated by reference at Section 219.112 of this Part, as appropriate, for determination of gas stream volumetric flow rate.

3) The emission rate correction factor, integrated sampling, and analysis procedure of Method 3, incorporated by reference at Section 219.112 of this Part, shall be used to determine the oxygen concentration (%O<sub>2</sub>d) for the purpose of determining compliance with the 20 ppmv limitation. The sampling site for determining compliance with the 20 ppmv limitation shall be the same site used for the VOM samples, and samples shall be taken at the same time that the VOM samples are taken. The VOM concentration corrected to 3 percent oxygen (C[c]) shall be computed using the following formula:

$$C[c] = C[VOM] \times \frac{17.9}{20.9 - \%O_2d}$$

where:

$C[c]$  = Concentration of VOM (minus methane and ethane) corrected to 3 percent O<sub>2</sub>, dry basis, ppmv.  
 $C[VOM]$  = Concentration of VOM (minus methane and ethane), dry basis, ppmv.  
 $\%O_2d$  = Concentration of oxygen, dry basis, percent by volume.

4) Method 18, incorporated by reference at Section 219.112 of this Part, to determine the concentration of VOM, less methane and ethane, at the outlet of the control device when determining compliance with the 20 ppmv limitation in Section 219.132(a)(1) of this Subpart, or at both the control device inlet and outlet when the reduction efficiency of the control device is to be determined.

A) The minimum sampling time for each run shall be 1 hour in which either an integrated sample or four grab samples shall be taken. If grab sampling is used then the samples shall be taken at 15-minute intervals.

B) The emission reduction (R) of VOM, less methane and ethane, shall be determined using the following formula:

$$R = \frac{E[i] - E[o]}{E[i]} \times 100$$

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where:

$R$  = Emission reduction, percent by weight.  
 $E[i]$  = Mass rate of VOM (minus methane and ethane) entering the control device, kg VOM/hr.  
 $E[o]$  = Mass rate of VOM, less methane and ethane, discharged to the atmosphere, kg VOM/hr.

C) The mass rates of VOM (E[i], E[o]) shall be computed using the following formula:

$$E[i] = K[2] \sum_{j=1}^n C[i]M[i]Q[i]$$

$$E[o] = K[2] \sum_{j=1}^n C[o]M[o]Q[o]$$

where:

$C[i]$ ,  $C[o]$  = Concentration of sample component "j" of the gas stream at the inlet and outlet of the control device, respectively, dry basis, ppmv.  
 $M[i]$ ,  $M[o]$  = Molecular weight of sample component "j" of the gas stream at the inlet and outlet of the control device, respectively, grams per gram-mole.  
 $Q[i]$ ,  $Q[o]$  = Flow rate of gas stream at the inlet and outlet of the control device, respectively, dry scm/min.  
 $K[2]$  =  $2.494 \times 10^{-6}$  (liters per minute)(gram-mole per scm)(kg/g)(min/hr), where standard temperature for (gram-mole per scm) is 20° C.

D) The representative VOM concentration (C[VOM]) is the sum of each of the individual components of VOM (C[j]) and shall be computed for each run using the following:

$$C[VOM] = \sum_{j=1}^n C[j]$$

where:

$C[VOM]$  = Concentration of VOM (minus methane and ethane), dry basis, ppmv.



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- C(1) = Concentration of sample component "i", dry basis, ppmv.
- n = Number of components in the sample.
- 5) When a boiler or process heater with a design heat input capacity of 44 megawatts or greater, or a boiler or process heater into which the process vent stream is introduced with the primary fuel, is used to comply with the control requirements, an initial performance test is not required.
- d) When a flare is used to comply with the control requirements of this rule, the flare shall comply with the requirements of 40 CFR 60.18, incorporated by reference at Section 219.112 of this Part.

(Source: Added at 19 Ill. Reg. 6958, effective  
MAY 09 1995)

## Section 219.434 Monitoring Requirements

- a) The owner or operator of a source subject to the control requirements in Section 219.432 of this Subpart that uses an incinerator to comply with the VOM emission limitation specified in Section 219.432(a)(1) shall install, calibrate, maintain, and operate, according to manufacturer's specifications, a temperature monitoring device equipped with a continuous recorder and having an accuracy of  $\pm 1$  percent of the temperature measured expressed in degrees Celsius, or  $\pm 0.5^\circ\text{C}$ , whichever is greater.
- 1) Where an incinerator other than a catalytic incinerator is used, a temperature monitoring device shall be installed in the firebox.
- 2) Where a catalytic incinerator is used, temperature monitoring devices shall be installed in the gas stream immediately before and after the catalyst bed.
- b) The owner or operator of a source that uses a flare to comply with Section 219.432(a)(2) of this Subpart shall install, calibrate, maintain and operate, according to manufacturer's specifications, a heat-sensing device, such as an ultraviolet beam sensor or thermocouple, at the pilot light to indicate continuous presence of a flame.
- c) The owner or operator of a source that uses a boiler or process heater with a design heat input capacity less than 44 megawatts to comply with Section 219.432(a)(1) of this Subpart shall install, calibrate, maintain and operate, according to the manufacturer's specifications, a temperature monitoring device in the firebox. The monitoring device shall be equipped with a continuous recorder with an accuracy of  $\pm 1$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 0.5^\circ\text{C}$ , whichever is greater. Any boiler or process heater in which all vent streams are introduced with primary fuel is exempt from this requirement.
- d) The owner or operator of a process vent with a TRE index value of 4.0

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or less that uses one or more product recovery devices shall install either an organic monitoring device equipped with a continuous recorder or the monitoring equipment specified in subsections (d)(1), (d)(2), (d)(3) or (d)(4) of this Section, depending on the type of recovery device used. All monitoring equipment shall be installed, calibrated and maintained according to the manufacturer's specifications.

- 1) Where an absorber is the final recovery device in the recovery system, a scrubbing liquid temperature monitoring device and a specific gravity monitoring device, each equipped with a continuous recorder, shall be used.
- 2) Where a condenser is the final recovery device in the recovery system, a condenser exit (product side) temperature monitoring device equipped with a continuous recorder and having an accuracy of  $\pm 1$  percent of the temperature being monitored expressed in degrees Celsius or  $\pm 0.5^\circ\text{C}$ , whichever is greater.
- 3) Where a carbon adsorber is the final recovery device in the recovery system, an integrating regeneration stream flow monitoring device having an accuracy of  $\pm 10$  percent, capable of recording the total regeneration stream mass flow for each regeneration cycle; and a carbon bed temperature monitoring device having an accuracy of  $\pm 1$  percent of the temperature being monitored expressed in degrees Celsius of  $\pm 0.5^\circ\text{C}$ , capable of recording the carbon bed temperature after each regeneration and within 15 minutes of completing any cooling cycle.
- 4) Where a scrubber is used with an incinerator, boiler, or, in the case of halogenated vent streams, a process heater, the following monitoring equipment is required for the scrubber:

- A) A pH monitoring device equipped with a continuous recorder to monitor the pH of the scrubber effluent; and
- B) Flow meters equipped with a continuous recorder at the scrubber influent for liquid flow and the scrubber inlet for gas stream flow.

e) The owner or operator of a process vent using a vent system that contains bypass lines capable of diverting a vent stream away from the control device associated with a process vent shall comply with either (e)(1) or (e)(2) of this Section. Equipment needed for safety purposes, including, but not limited to, pressure relief devices, are not subject to this subsection.

- 1) The owner or operator shall install, calibrate, maintain and operate a flow indicator that provides a record of vent stream flow at least once every 15 minutes. The flow indicator shall be installed at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere.
- 2) The owner or operator shall secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure

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air-assisted, or nonassisted), shall maintain records of all visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the performance test, continuous records of the flare pilot flame monitoring, and records of all periods of operations during which the pilot flame is absent.

- 4) Every owner or operator of a source that seeks to demonstrate compliance with Section 219.432(b) of this Subpart shall maintain records of the following:

- A) Where an absorber is the final recovery device in the recovery system, the exit specific gravity (or alternative parameter which is a measure of the degree of absorbing liquid saturation, if approved by the Agency and USEPA, and average exit temperature of the absorbing liquid measured at least every 15 minutes and averaged over the same time period as the performance testing (both measured while the vent stream is normally routed and constituted);

- B) Where a condenser is the final recovery device in the recovery system, the average exit (product side) temperature measured at least every 15 minutes and averaged over the same time period as the performance testing while the vent stream is normally routed and constituted;

- C) Where a carbon adsorber is the final recovery device in the recovery system, the total stream mass or volumetric flow measured at least every 15 minutes and averaged over the same time period as the performance testing (full carbon bed cycle), the temperature of the carbon bed after regeneration (and within 15 minutes of completion of any cooling cycle(s)), and duration of the carbon bed steaming cycle (all measured while the vent stream is normally routed and constituted);

- D) As an alternative to subsection (a)(4)(A), (a)(4)(B) or (a)(4)(C) of this Section, the concentration level or reading indicated by the organic monitoring device at the outlet of the absorber, condenser, or carbon adsorber, measured at least every 15 minutes and averaged over the same time period as the performance testing (measured while the vent stream is normally routed and constituted); or
- E) All measurements and calculations performed to determine the flow rate, VOM concentration, heating value, and TRE index value of the vent stream.

- b) Every owner or operator of a reactor or distillation unit with a TRE index value of less than 4.0 shall be subject to the exceedance reporting requirements of the draft Enhanced Monitoring Guidelines as published at 58 Fed. Reg. 54648 (October 22, 1993).

- c) Every owner or operator of a source seeking to comply with Section 219.432(b) of this Subpart shall maintain records of the following:
  - 1) Any changes in production capacity, feedstock type, catalyst

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that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line.

- f) The owner or operator of a process vent may monitor by an equivalent alternative means or parameters other than those listed in subsections (a) through (d) of this Section. Any equivalent alternative shall be approved by the Agency and USEPA, and contained in the source's operating permit as federally enforceable permit conditions.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.435 Recordkeeping and Reporting Requirements

- a) Every owner or operator of a reactor or distillation unit with a TRE index value of 4.0 or less shall keep records, for a minimum of 3 years, of the following parameters measured during a performance test or TRE determination required under Section 219.433 of this Subpart, and required to be monitored under Section 219.434 of this Subpart.

- 1) Every owner or operator of a source that seeks to demonstrate compliance with Section 219.432(a)(1) of this Subpart through the use of either a thermal or catalytic incinerator shall maintain records of the following:

- A) The average firebox temperature of the incinerator (or the average temperature upstream and downstream of the catalyst bed for a catalytic incinerator), measured at least every 15 minutes and averaged over the same time period of the performance testing; and

- B) The percent reduction of VOM determined as specified in Section 219.433(c) of this Subpart achieved by the incinerator, or the concentration of VOM (ppmv, by compound) determined as specified in Section 219.433(c) of this Subpart at the outlet of the control device, on a dry basis, corrected to 3 percent oxygen.

- 2) Every owner or operator of a source that seeks to demonstrate compliance with Section 219.432(a)(1) of this Subpart through the use of a boiler or process heater shall maintain the records described below. Any boiler or process heater in which all vent streams are introduced with primary fuel are exempt from these requirements.

- A) A description of the location at which the vent stream is introduced into the boiler or process heater; and
- B) The average combustion temperature of the boiler or process heater with a design heat input capacity of less than 44 megawatt measured at least every 15 minutes and averaged over the same time period of the performance testing.

- 3) Every owner or operator of a source that seeks to demonstrate compliance with Section 219.432(a)(2) of this Subpart through use of a smokeless flare, or flare design (i.e., steam-assisted,



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type, or of any replacement, removal, or addition of recovery equipment or reactors and distillation units; and

2) Any recalculation of the flow rate, VOM concentration, or TRE index value calculated according to Section (c) of Appendix G of this Part.

d) Every owner or operator of a source claiming a design capacity of less than 1 gigagram (1,100 tons) per year, as contained in Section 219.431(b) of this Subpart, shall maintain records of the design capacity or any changes in equipment or operations that may affect the design capacity.

e) Every owner or operator of a source claiming a vent stream flow rate or vent stream concentration exemption level, as contained in Section 219.431(b)(5) of this Subpart, shall maintain records to indicate that the stream flow rate is less than 0.0085 scm/min or the vent stream concentration is less than 500 ppmv.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995 )

## Section 219.436 Compliance Date

Every owner or operator of an source subject to Sections 219.431, 219.432, 219.433, 219.434 or 219.435 of this Subpart shall comply with its standards, limitations and mandates by March 15, 1996.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995 )

## SUBPART T: PHARMACEUTICAL MANUFACTURING

## Section 219.480 Applicability

a) The rules of this Subpart, except for Sections 219.483 through 219.485, apply to all emission units of VOM, including but not limited to reactors, distillation units, dryers, storage tanks for VOL, equipment for the transfer of VOL, filters, crystallizers, washers, laboratory hoods, pharmaceutical coating operations, mixing operations and centrifuges used in manufacturing, including packaging, of pharmaceuticals, and emitting more than 6.8 kg/day (15 lbs/day) and more than 2,268 kg/year (2.5 tons/year) of VOM. If such emission unit emits less than 2,268 kg/year (2.5 tons/year) of VOM, the requirements of this Subpart still apply to the emission unit if VOM emissions from the emission unit exceed 45.4 kg/day (100 lbs/day).

b) Sections 219.483 through 219.485 of this Part apply to a source having one or more emission units that:

- 1) Are used to manufacture pharmaceuticals, and
- 2) Emit more than 6.8 kg/day (15 lbs/day) of VOM and more than 2,268 kg/year (2.5 tons/year) of VOM, or, if less than 2,268 kg/year

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(2.5 tons/year), these Sections still apply if emissions from one or more sources exceed 45.4 kg/day (100 lbs/day).

- a) No owner or operator shall violate any condition in a permit when the condition results in exclusion of an emission unit from this Subpart.
- d) Any pharmaceutical manufacturing source that becomes subject to the provisions of this Subpart at any time shall remain subject to the provisions of this Subpart at all times.
- e) Emissions subject to this Subpart shall be controlled at all times consistent with the requirements set forth in this Subpart.
- f) Any control device required pursuant to this Subpart shall be operated at all time when the source it is controlling is operated.
- g) Determinations of daily and annual emissions for purposes of this Section shall be made using both data on the hourly emission rate (or the emissions per unit of throughput) and appropriate daily and annual data from records of emission unit operation (or material throughput or material consumption data). In the absence of representative test data pursuant to Section 219.487 of this Part for the hourly emission rate (or the emissions per unit of throughput), such items shall be calculated using engineering calculations, including the methods described in Appendix B of "Control of Volatile Organic Emissions from Manufacturing of Synthesized Pharmaceutical Products" (EPA-450/2-78-029), incorporated by reference in Section 219.112 of this Part. (This subsection shall not affect the Agency's or the USEPA's authority to require emission tests to be performed pursuant to Section 219.487 of this Part.)

h) Equipment and operations emitting VOM at a source subject to subsection (a) or (c) of this Section and used to produce pharmaceutical products or a pharmaceutical-like product such as a hormone, enzyme, or antibiotic, shall be deemed to be engaged in the manufacture of pharmaceuticals for the purposes of this Subpart.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995 )

## SUBPART FF: BAKERY OVENS

## Section 219.720 Applicability

a) The provisions of this Subpart shall apply to every owner or operator of a source which operates a bakery oven, as defined at 35 Ill. Adm. Code 211.680, unless the source bakes products only for on-site human consumption or on-site retail sale.

b) Notwithstanding subsection (a) of this Section, a source is required to comply with the control requirements of this Subpart only if the source has the potential to emit 22.7 Mg (25 tons) or more of VOM per year, in the aggregate, from all emission units at the source, excluding:

- 1) Emission units regulated by Subparts B, E, F, H, Q, R, S, T



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(excluding Section 219.486 of this Part), V, X, Y, Z or BB of this Part; and

- 2) Emission units that are included in any of the following categories: synthetic organic chemical manufacturing industry (SOCMI) distillation, SOCMI reactors, wood furniture coating, plastic parts coating (business machines), plastic parts coating (other), offset lithography, industrial wastewater, autobody refinishing, SOCMI batch processing, volatile organic liquid storage tanks and clean-up solvents operations.

- c) Every owner or operator of a source which has limited its potential to emit below 22.7 Mg (25 tons) of VOM per year, as specified in subsection (b) of this Section, through federally enforceable permit conditions is not required to comply with this Subpart.

- d) Every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria in subsection (b) of this Section remains subject to the recordkeeping and reporting requirements of Section 219.728(b) of this Subpart and the certification requirements in Section 219.730(d) of this Subpart.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.722 Control Requirements

- a) Every owner or operator of a source subject to the control requirements of this Subpart shall comply with the requirements of subsection (a)(1) or (a)(2) of this Section for each bakery oven with a rated heat input capacity of at least 2 mmBtu/hr or at least 586 kW:

- 1) Operate emissions capture and control equipment which achieves an overall reduction in uncontrolled VOM emissions of at least 81 percent from each such bakery oven; or
- 2) Provide an equivalent alternative control plan for such bakery ovens at the source which has been approved by the Agency and USEPA through federally enforceable permit conditions or as a SIP revision.

- b) An owner or operator of a source subject to the control requirements of this Subpart may elect to exempt from the control requirements in subsections (a)(1) or (a)(2) and (c)(1) or (c)(2) of this Section any bakery oven with actual VOM emissions less than or equal to 15 TPY; provided that the total actual VOM emissions from all such exempt bakery ovens never exceeds 25 TPY.

- c) Notwithstanding the requirements in subsection (a) of this Section, until March 15, 1998 only, a source may elect to comply with the control requirements in subsection (c)(1) or (c)(2) of this Section, rather than the control requirements in subsection (a)(1) or (a)(2) of this Section, if all emission units at the source, in the aggregate, excluding emission units regulated by Subparts B, E, F, H (excluding

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Section 219.405 of this Subpart), Q, R, S, T (excluding Section 219.486 of this Subpart), V, X, Y, Z or BB of this Subpart, have maximum theoretical emissions of less than 90.7 Mg (100 tons) of VOM per year or are limited to less than 90.7 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment through production or capacity limitations contained in federally enforceable permit conditions or in a SIP revision:

- 1) Operate emissions capture and control equipment which achieves an overall reduction in uncontrolled VOM emissions of at least 60 percent from each bakery oven with a rated heat input capacity of at least 2 mmBtu/hr or at least 586 kW; or
- 2) Provide an equivalent alternative control plan for such bakery ovens at the source which has been approved by the Agency and USEPA through federally enforceable permit conditions or as a SIP revision.

- d) Any bakery oven that becomes subject to the requirements of this Subpart at any time shall remain subject to the requirements of this Subpart at all times thereafter.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.726 Testing

- a) Upon request by the Agency, the owner or operator of a bakery oven shall, at its own expense, conduct such tests in accordance with the applicable test methods and procedures specified in Section 219.105(f) of this Part to demonstrate compliance with the control requirements of this Subpart and shall:

- 1) Notify the Agency 30 days prior to conducting such tests; and
- 2) Submit all test results to the Agency within 45 days after conducting such tests.

- b) Nothing in this Section shall limit the authority of USEPA pursuant to the Clean Air Act (CAA) to require testing, or shall affect the authority of USEPA under Section 114 of the CAA (42 U.S.C. 7414 (1990)).

(Source: MAY 09 1995 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.727 Monitoring

- a) Every owner or operator of a bakery oven subject to the control requirements of this Subpart shall install and operate at all times a device to continuously monitor the following parameters for each type of control device as follows:

- 1) For catalytic oxidizers, the inlet and outlet temperatures of the oxidizer;

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- 2) For regenerative oxidizers, the temperature in the combustion chamber; or
- 3) For thermal incinerators, the temperature in the combustion chamber.
- b) The owner or operator may monitor with an alternative method or monitor other parameters if approved by the Agency and USEPA through federally enforceable permit conditions or as a SIP revision.

(Source: Added at 19 Ill. Reg. 6908, effective MAY 09 1995)

## Section 219.728 Recordkeeping and Reporting

- a) Every owner or operator of a bakery oven shall maintain the following records for the most recent consecutive 3 year period for all bakery ovens subject to the control requirements of this Subpart. Such records shall be made available to the Agency immediately upon request.

- 1) Parameters for control devices as monitored pursuant to Section 219.727 of this Subpart;
- 2) Hrs/day of operation of each bakery oven;
- 3) Factors necessary to calculate VOM emissions for all bakery ovens including, but not limited to, type of dough used for each yeast-leavened baked product, initial yeast percentage for each product, total fermentation time for each product, any additional percentage of yeast added, and the fermentation time of any additional yeast;

- 4) Calculated daily VOM emissions of each bakery oven expressed as lbs/day;

- 5) Total amount of each type of yeast-leavened bread product produced by each bakery oven expressed as lbs/day.

- b) Every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria in Section 219.720(b) of this Subpart shall maintain records necessary to demonstrate that its potential to emit is less than 22.7 Mg (25 tons) of VOM per year, as specified in Section 219.720(b). Such records shall be maintained for the most recent consecutive 3 year period and shall be made available to the Agency immediately upon request.

- c) Every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria specified in Section 219.722(b) of this Subpart shall:

- 1) Maintain records necessary to demonstrate that the actual VOM emissions from exempt bakery ovens are less than or equal to 15 TPY for each bakery oven and less than or equal to 25 TPY from all exempt bakery ovens combined. Such records shall be maintained for the most recent consecutive 3 year period and shall be made available to the Agency immediately upon request; and

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- 2) Notify the Agency in writing if the actual VOM emissions from an exempt bakery oven ever exceed 15 TPY or the actual VOM emissions from a combination of exempt bakery ovens ever exceed 25 TPY, within 30 days after the exceedance occurs. Such notice shall include a copy of all records of the exceedance.

- d) Every owner or operator of a bakery oven which is controlling emissions as provided in Section 219.722(c) of this Subpart until March 15, 1998, shall maintain records necessary to demonstrate that its maximum theoretical emissions as specified in Section 219.722(c) are less than 90.7 Mg (100 tons) of VOM per year. Such records shall be maintained for the most recent consecutive 3 year period and shall be made available to the Agency immediately upon request.

(Source: Added 19 Ill. Reg. 6958, effective MAY 09 1995)

## Section 219.729 Compliance Date

On and after March 15, 1996, upon initial startup or upon modification, every owner or operator of a source subject to this Subpart shall comply with the requirements of this Subpart.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

## Section 219.730 Certification

- a) Every owner or operator of a source subject to the control requirements of this Subpart shall certify compliance with this Subpart on or before a date consistent with Section 219.729 of this Subpart.

- b) If an owner or operator of a bakery oven subject to the control requirements of this Subpart changes the method of compliance, the owner or operator shall certify compliance with the requirements of this Subpart for the alternative method upon changing the method of compliance.

- c) All certifications of compliance with this Subpart shall include the results of all tests and the calculations performed to demonstrate that each oven at the source is in compliance with, or is exempt from, the control requirements of this Subpart. The certification shall include the following:

- 1) The name and identification number of each oven and any associated capture and control device;
- 2) The maximum rated heat input of each oven;
- 3) A classification of each oven as either a "bakery oven" as defined in 35 Ill. Adm. Code 211.680 or an oven used exclusively to bake non-yeast-leavened products;
- 4) The capture and control efficiency of each bakery oven control



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- device:
- 5) Test reports, calculations and other data necessary to demonstrate that the capture and control efficiency of each bakery oven control device achieves an overall reduction in uncontrolled VOM emissions of at least 81 percent; and
  - 6) The date each bakery oven control device was installed and operating.
  - d) On or before March 15, 1996, or upon initial startup, every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria in Section 219.720(b) of this Subpart shall certify that its potential to emit is less than 22.7 Mg (25 tons) of VOM per year, as specified in Section 219.720(b).
  - e) On or before March 15, 1996, or upon initial startup, every owner or operator of a bakery oven which is exempt from the control requirements of this Subpart because of the criteria specified in Section 219.722(b) of this Subpart shall certify that actual VOM emissions from any individual exempt bakery oven never exceed 15 Tpy and that VOM emissions from all exempt bakery ovens, in the aggregate, never exceed 25 Tpy.
  - f) On or before March 15, 1996, or upon initial startup if prior to March 15, 1998, every owner or operator of a bakery oven which is controlling emissions as provided by Section 219.722(c) of this Subpart, shall certify that its maximum theoretical emissions as specified in Section 219.722(c) are less than 90.7 Mg (100 tons) of VOM per year.

(Source: Added at 19 Ill. Reg. **6-9-58**, effective **MAY 0 9 1995**)

Section 219.780 Emission Limitations

- a) Except as provided in Section 219.782 of this Subpart, no owner or operator of a motor vehicle refinishing operation shall coat motor vehicles, mobile equipment, or their parts and components, unless all coatings, except touch-up coatings, never exceed the VOM content limitations in this Section, expressed as units of VOM per volume of coating applied at each coating applicator, minus water and any compounds that are specifically exempted from the definition of VOM.

The VOM content limitations are as follows:

	kg/l	(lbs/gal)
1) Pretreatment wash primer	0.78	(6.5)
2) Precoat	0.66	(5.5)
3) Primer/primer surfacer coating	0.58	(4.8)
4) Primer sealer	0.55	(4.6)
5) Topcoat system or basecoat/clearcoat	0.60	(5.0)
6) Three or four stage topcoat system	0.63	(5.2)

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- 7) Specialty coatings 0.84 (7.0)
- 8) Anti-glare/safety coating 0.84 (7.0)
- b) All coating shall be used according to manufacturer's specifications. If a coating requires the addition of a reducer, hardener, or other additive, in some combination, this addition must not cause the coating, as applied, to exceed the applicable VOM content limitation. Specialty coatings shall represent no more than 5 percent, by volume, of all coatings applied at a source on a monthly basis.
- c) The following equations shall be used to calculate the VOM content of topcoat systems:
  - 1) The VOM content of basecoat/clearcoat systems shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following equation:

$$VOM\ T[bc/cc] = (VOM[bc] + 2\ VOM[cc])/3$$

Where:

$$VOM\ T[bc/cc] =$$

The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat (bc) and clearcoat (cc) system:

$$VOM[bc] =$$

The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given basecoat; and

$$VOM[cc] =$$

The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given clearcoat.

- 2) The VOM content for a three stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following formula:

$$VOM\ T[ms] = (VOM[bc] + VOM[mc] + 2\ VOM[cc])/4$$

Where:



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- $VOM\ T[ms]$  = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat, midcoat and clearcoat system;
- $VOM[bc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given basecoat;
- $VOM[mc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given midcoat; and
- $VOM[cc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given clearcoat.

- 3) The VOM content for a four stage coating system shall be calculated in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), according to the following formula:

$$VOM\ T[ms] = (VOM[bc] + VOM[mc1] + VOM[mc2] + 2\ VOM[cc])/5$$

Where:

- $VOM\ T[ms]$  = The weighted average of the VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), in the basecoat, midcoats and clearcoat system;
- $VOM[bc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given basecoat;
- $VOM[mc1]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the first midcoat;

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- $VOM[mc2]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of the second midcoat; and
- $VOM[cc]$  = The VOM content, as applied, in units of kg VOM/l (lbs VOM/gal) of coating, (minus water and any compounds which are specifically exempted from the definition of VOM), of any given clearcoat.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

**Section 219.782 Alternative Control Requirements**

As an alternative to complying with the VOM content limitations in Section 219.780 of this Subpart, the owner or operator of a motor vehicle refinishing operation may operate control equipment that reduces VOM emissions at the source by at least 90 percent as provided in either subsection (a) or (b) of this Section.

- a) An owner or operator may operate an afterburner or carbon adsorber; or
- b) An owner or operator may use an equivalent alternative control plan, other than an afterburner or carbon adsorber, if approved by the Agency and USEPA through federally enforceable permit conditions.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

**Section 219.784 Equipment Specifications**

Every owner or operator of a motor vehicle refinishing operation, unless the source uses less than 20 gallons of coating per calendar year from all motor vehicle refinishing operations combined, shall:

- a) Coat motor vehicles, mobile equipment, or their parts and components using one of the following coating applicators:
- 1) Electrostatic spray equipment calibrated, operated and maintained in accordance with the manufacturer's specifications; or
  - 2) High Volume Low Pressure (HVLPP) spray equipment calibrated, operated and maintained in accordance with the manufacturer's specifications; and
- b) Clean all coating applicators with a device that:
- 1) Recirculates solvent during the cleaning process;
  - 2) Collects spent solvent so it is available for disposal or recycling; and
  - 3) Minimizes evaporation of solvents during cleaning, rinsing, draining, and storage.

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(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.786 Surface Preparation Materials

Every owner or operator of a motor vehicle refinishing operation only shall use surface preparation materials that never exceed the following VOM content limitations for the specified substrate:

	kg/l	(lbs/gal)
a) Plastic parts	0.78	(6.5)
b) Other substrates	0.17	(1.4)

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.787 Work Practices

a) Every owner or operator of a motor vehicle refinishing operation shall ensure that fresh and spent solvent, cloth or paper used to apply solvents for surface preparation or cleanup, waste paint, and sludge are stored in closed containers.

b) Every owner or operator of a motor vehicle refinishing operation that is exempt from the equipment specifications in Section 219.784 of this Subpart because it uses less than 20 gallons of coating per year shall direct solvent used to clean coating applicator equipment and paint lines into a container for proper disposal or recycling.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.788 Testing

a) Upon request by the Agency, the owner or operator of a motor vehicle refinishing operation shall, at its own expense, conduct tests to demonstrate compliance with Sections 219.780, 219.782 or 219.786 of this Subpart, in accordance with the applicable test methods and procedures specified in Section 219.105 of this Part and shall:

- 1) Notify the Agency 30 days prior to conducting such tests; and
- 2) Submit all test results to the Agency within 45 days after conducting the requisite tests.

b) For purposes of this Section, surface preparation materials shall be treated as coatings.

c) Nothing in this Section shall limit the authority of USEPA pursuant to the Clean Air Act, as amended, to require testing, or shall affect the authority of USEPA under Section 114 of the Clean Air Act (42 U.S.C. 7414 (1990)).

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(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.789 Monitoring and Recordkeeping for Control Devices

a) Every owner or operator of a motor vehicle refinishing operation that complies with this Subpart pursuant to Section 219.782 of this Subpart shall:

- 1) Install and operate equipment to continuously monitor each control device as specified in Section 219.105(d)(2)(A) of this Part;
  - 2) Keep records of parameters for control devices as monitored pursuant to subsection (a)(1) of this Section;
  - 3) Keep logs of operating time of the control device and monitoring equipment;
  - 4) Keep logs of maintenance of the control device and monitoring equipment; and
  - 5) Maintain all records required in this Section for the most recent consecutive three year period and make all such records available to the Agency immediately upon request.
- b) An owner or operator may monitor with an alternative method or monitor other parameters than specified in subsection (a)(1) of this Section, if approved by the Agency and USEPA through federally enforceable permit conditions.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

Section 219.790 General Recordkeeping and Reporting

On and after the compliance date specified in Section 219.791 of this Subpart, every owner or operator of a motor vehicle refinishing operation shall maintain the following records for the most recent consecutive 3 years. Such records shall be made available to the Agency immediately upon request:

- a) The name and manufacturer of each coating and surface preparation product used at the source each month;
- b) The volume of each category of coating, as set forth in Section 219.780 of this Subpart, purchased by the source each month;
- c) The coating mixing instructions, as stated on the container, in literature supplied with the coating, or otherwise specified by the manufacturer, for each coating purchased by the source each month;
- d) The VOM content, expressed as weight of VOM per volume of coating, minus water and any compounds that are specifically exempted from the definition of VOM, recorded on a monthly basis for:
  - 1) Each coating as purchased, if the coating is not mixed with any additives prior to application on the substrate; or
  - 2) Each coating after mixing according to manufacturer's instructions as collected pursuant to subsection (c) of this



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- e) The weighted average VOM content of the coating, as specified in Section 219.780(d)(1), (d)(2) or (d)(3) of this Subpart, for each basecoat/clearcoat, and three or four stage coating system purchased by the source, recorded on a monthly basis;
- f) The total monthly volume of all specialty coatings purchased and the percentage specialty coatings comprise in the aggregate of all coatings purchased by the source each month;
- g) The volume of each category of surface preparation material, as set forth in Section 219.786 of this Subpart, purchased by the source each month; and
- h) The VOM content, expressed as weight of VOM per volume of material, including water, of each surface preparation material purchased by the source, recorded on a monthly basis.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

## Section 219.791 Compliance Date

Every owner or operator of a motor vehicle refinishing operation shall comply with the requirements of this Subpart by March 15, 1996, upon modification or upon initial startup.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

## Section 219.792 Registration

- a) Every owner or operator of a motor vehicle refinishing operation shall register with the Agency on or before the date specified in Section 219.791 of this Subpart and re-register no later than 45 days following the end of each subsequent calendar year. The following information shall be included in this registration:

- 1) The name and address of the source, and the name and telephone number of the person responsible for submitting the registration information;
- 2) A description of all coating operations of motor vehicles, mobile equipment, or their parts or components, and all associated surface preparation operations at the source;
- 3) A description of all coating applicators used at the source to comply with Section 219.784(a) of this Subpart, if applicable;
- 4) A description of all cleanup operations at the source, including equipment used to comply with Section 219.784(b) of this Subpart, if applicable;
- 5) A description of all work practices at the source used to comply with Section 219.787 of this Subpart;
- 6) If a source claims to be exempt from the equipment requirements

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in Section 219.784 of this Subpart because it uses less than 20 gallons of coating per year, the owner's or operator's certification that the annual usage is below this level;

- 7) A written declaration stating whether the source is complying with this Subpart by using coatings that comply with the applicable VOM content limits in Section 219.780 of this Subpart or by control equipment as specified in Section 219.782; and
- 8) A description of any control devices used to comply with Section 219.782 of this Subpart and the date(s) the device was installed and became operational.

- b) At least 30 calendar days before changing the method of compliance to or from Sections 219.780 and 219.782, the owner or operator of a motor vehicle refinishing operation shall notify the Agency and certify that the source is in compliance with the applicable requirements for the new method of compliance.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)

## SUBPART PP: MISCELLANEOUS FABRICATED PRODUCT MANUFACTURING PROCESSES

## Section 219.926 Control Requirements

Every owner or operator of miscellaneous fabricated product manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) of this Section:

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or
- (Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating as applied (minus water and any compounds which are specifically exempted from the definition of VOM) during any day. Owners and operators complying with this Section are not required to comply with Section 219.301 of this Part, or

- c) An equivalent alternative control plan which has been approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995)



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## SUBPART QQ: MISCELLANEOUS FORMULATION MANUFACTURING PROCESSES

## Section 219.946 Control Requirements

Every owner or operator of a miscellaneous formulation manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a) or (b) ~~below~~ of this Section.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An equivalent alternative control plan which has been approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995)

## SUBPART RR: MISCELLANEOUS ORGANIC CHEMICAL MANUFACTURING PROCESSES

## Section 219.966 Control Requirements

Every owner or operator of a miscellaneous organic chemical manufacturing process emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b) or (c) ~~below~~ of this Section.

- a) Emission capture and control techniques which achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or

(Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)

- b) An equivalent alternative control plan which has been approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision.

- c) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures by March 15, 1995:

- 1) Repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found, unless the leaking

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component cannot be repaired until the process unit is shut down, in which case the leaking component must be repaired before the unit is restarted.

- 2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.

- A) The name and identification of the leaking component;  
B) The date and time the leak is detected;  
C) The action taken to repair the leak; and  
D) The date and time the leak is repaired.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995)

## SUBPART TT: OTHER EMISSION UNITS

## Section 219.980 Applicability

- a) The requirements of this Subpart shall apply to a source's VOM emission units, which are not included within any of the categories specified in Subparts B, E, F, H, Q, R, S, T, V, X, Y, Z, AA, BB, PP, QQ, or RR of this Part, or are not exempted from permitting requirements pursuant to 35 Ill. Adm. Code 201.146, if the source is subject to this Subpart. A source is subject to this Subpart if it contains process emission units, not regulated by Subparts B, E, F (excluding Section 219.204(1) of this Part), H (excluding Section 219.405 of this Part), Q, R, S, T, (excluding Section 218.486 of this Part), V, X, Y, Z or BB of this Part, which as a group both:

- 1) Have maximum theoretical emissions of 91 Mg (100 tons) or more per calendar year of VOM if no air pollution control equipment were used, and  
2) Are not limited to less than 91 Mg (100 tons) of VOM emissions per calendar year in the absence of air pollution control equipment, through production or capacity limitations contained in a federally enforceable permit or a SIP revision.  
b) If a source ceases to fulfill the criteria of subsection (a) of this Section, the requirements of this Subpart shall continue to apply to an emission unit which was ever subject to the control requirements of Section 219.986 of this Part.  
c) No limits under this Subpart shall apply to emission units with emissions of VOM to the atmosphere less than or equal to 2.3 Mg (2.5 tons) per calendar year if the total emissions from such emission unit not complying with Section 219.986 of this Part does not exceed 4.5 Mg (5.0 tons) per calendar year.

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- d) For the purposes of this Subpart, an emission unit shall be considered regulated by a Subpart if it is subject to the limits of that Subpart. An emission unit is not considered regulated by a Subpart if it is not subject to the limits of that Subpart, e.g., the emission unit is covered by an exemption in the Subpart or the applicability criteria of the Subpart are not met.
- e) The control requirements in Subpart TT shall not apply to sewage treatment plants; vegetable oil extraction and processing; coke ovens (including by-product recovery); fuel combustion units; bakeries; barge loading facilities; jet engine test cells; production of polystyrene foam insulation board including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the source, but not including blending and preliminary expansion of resin prior to molding where a blowing agent is incorporated into the polystyrene resin by the producer of the resin; production of polystyrene or polyethylene foam packaging not including blending and polystyrene expansion of resin prior to molding where blowing agent is incorporated into the polystyrene resin by the producer of the resin; and not including storage and extrusion of scrap where blowing agent is added to the polystyrene resin at the source; and iron and steel production.

(Source: Amended at 19 Ill. Reg. 6958, effective MAY 09 1995)

## Section 219.986 Control Requirements

Every owner or operator of an emission unit subject to this Subpart shall comply with the requirements of subsection (a), (b), (c), (d) or (e) below of this Section.

- a) Emission capture and control equipment which achieves an overall reduction in uncontrolled VOM emissions of at least 81 percent from each emission unit, or
- (Board Note: For the purpose of this provision, an emission unit is any part or activity at a source of a type that by itself is subject to control requirements in other Subparts of this Part or 40 CFR 60, incorporated by reference in Section 219.112, e.g., a coating line, a printing line, a process unit, a wastewater system, or other equipment, or is otherwise any part or activity at a source.)
- b) For coating lines, the daily-weighted average VOM content shall not exceed 0.42 kg VOM/l (3.5 lbs VOM/gal) of coating (minus water and any compounds which are specifically exempted from the definition of VOM) as applied during any day. Owners and operators complying with this Section are not required to comply with Section 219.301 of this Part, or
- c) An equivalent alternative control plan which has been approved by the Agency and the USEPA in a federally enforceable permit or as a SIP revision.

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- d) Non-contact process water cooling towers which are subject to the control requirements of this Subpart shall comply with the following control measures no later than March 15, 1995 or upon initial startup:
- 1) The owner or operator of a non-contact process water cooling tower shall perform the following actions to control emissions of volatile organic material (VOM) from such a tower:

- A) Inspect and monitor such tower to identify leaks of VOM into the water, as further specified in subsection (d)(3) below of this Section;
- B) When a leak is identified, initiate and carry out steps to identify the specific leaking component or components as soon as practicable, as further specified in subsection (d)(4) below of this Section;
- C) When a leaking component is identified which:
- Can be removed from service without disrupting production, remove the component from service;
  - Cannot be removed from service without disrupting production, undertake repair of the component at the next reasonable opportunity to do so including any period when the component is out of service for scheduled maintenance, as further specified in subsection (d)(4) below of this Section;

D) Maintain records of inspection and monitoring activities, identification of leaks and leaking components, elimination and repair of leaks, and operation of equipment as related to these activities, as further specified in subsection (d)(5) below of this Section.

2) A VOM leak shall be considered to exist in a non-contact process water cooling water system if the VOM emissions or VOM content exceed background levels as determined by monitoring conducted in accordance with subsection (d)(3)(A) below of this Section.

3) The owner or operator of a non-contact process water cooling tower shall carry out an inspection and monitoring program to identify VOM leaks in the cooling water system.

A) The owner or operator of a non-contact process water cooling tower shall submit to the Agency a proposed monitoring program, accompanied by technical justification for the program, including justification for the program, including justification for the sampling location(s), parameter(s) selected for measurement, monitoring and inspection frequency, and the criteria used relative to the monitored parameters to determine whether a leak exists as specified in subsection (d)(2) above of this Section.

B) This inspection and monitoring program for non-contact process water cooling towers shall include, but shall not be limited to:

    - Monitoring of each such tower with a water flow rate of 25,000 gallons per minute or more at a petroleum

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refinery at least weekly and monitoring of other towers at least monthly;

- ii) Inspection of each such tower at least weekly if monitoring is not performed at least weekly.

C) This inspection and monitoring program shall be carried out in accordance with written procedures which the Agency shall specify as a condition in a federally enforceable operating permit. These procedures shall include the VOM background levels for the cooling tower as established by the owner or operator through monitoring; describe the locations at which samples will be taken; identify the parameter(s) to be measured, the frequency of measurements, and the procedures for monitoring each such tower, that is, taking of samples and other subsequent handling and analyzing of samples; provide the criteria used to determine that a leak exists as specified in subsection (d)(2) above of this Section; and describe the records which will be maintained.

D) A non-contact process water cooling tower is exempt from the requirements of subsections (d)(3)(B) and (d)(3)(C) above of this Section, if all equipment, where leaks of VOM into cooling water may occur, is operated at a minimum pressure in the cooling water of at least 35 kPa greater than the maximum pressure in the process fluid.

4) The repair of a leak in a non-contact process water cooling tower shall be considered to be completed in an acceptable manner as follows:

A) Efforts to identify and locate the leaking components are initiated as soon as practicable, but in no event later than three days after detection of the leak in the cooling water tower;

B) Leaking components shall be repaired or removed from service as soon as possible but no later than 30 days after the leak in the cooling water tower is detected, unless the leaking components cannot be repaired until the next scheduled shutdown for maintenance.

5) The owner or operator of a non-contact process water cooling tower shall keep records as set forth below in this subsection. These records shall be retained at a readily accessible location at the source and shall be available for inspection and copying by the Agency for at least 3 years:

- A) Records of inspection and monitoring activity;
- B) Records of each leak identified in such tower, with date, time and nature of observation or measured level of parameter;
- C) Records of activity to identify leaking components, with date initiated, summary of components inspected with dates, and method of inspection and observations;
- D) Records of activity to remove a leaking component from

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service or repair a leaking component, with date initiated and completed, description of actions taken and the basis for determining the leak in such tower has been eliminated. If the leaking component is not identified, repaired or eliminated within 30 days of initial identification of a leak in such tower, this report shall include specific reasons why the leak could not be eliminated sooner including all other intervening periods when the process unit was out of service, actions taken to minimize VOM losses prior to elimination of the leak and any actions taken to prevent the recurrence of a leak of this type.

6) The owner or operator of a non-contact process water cooling tower shall submit an annual report to the Agency which provides:

A) The number of leaks identified in each cooling tower;

B) A general description of activity to repair or eliminate leaks which were identified;

C) Identification of each leak which was not repaired in 30 days from the date of identification of a leak in such a tower, with description of the leaks, explanation why the leak was not repaired in 30 days;

D) Identification of any periods when required inspection and monitoring activities were not carried out.

e) Any leaks from components subject to the control requirements of this Subpart shall be subject to the following control measures by March 15, 1995:

1) Repair any component from which a leak of VOL can be observed. The repair shall be completed as soon as practicable but no later than 15 days after the leak is found, unless the leaking component cannot be repaired until the next process unit shutdown, in which case the leaking component must be repaired before the unit is restarted.

2) For any leak which cannot be readily repaired within one hour after detection, the following records, as set forth below in this subsection, shall be kept. These records shall be maintained by the owner or operator for a minimum of two years after the date on which they are made. Copies of the records shall be made available to the Agency or USEPA upon verbal or written request.

- A) The name and identification of the leaking component;
- B) The date and time the leak is detected;
- C) The action taken to repair the leak; and
- D) The date and time and leak is repaired.

(Source: amended at 19 Ill. Reg. 6958, effective MAY 09 1995)



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**Section 219.APPENDIX G TRE Index Measurements for SOEMI Reactors and Distillation Units**

For purposes of Subpart Q, Sections 219.431 through 219.435, the following apply:

- a) The following test methods shall be used to determine compliance with the total resource effectiveness ("TRE") index value:

1) Method 1 or 1A, incorporated by reference at Section 219.112 of this Part, as appropriate, for selection of the sampling site.

A) The sampling site for the vent stream molar composition determination and flow rate prescribed in subsections (a)(2) and (a)(3) of this Appendix shall be, except for the situations outlined in subsection (a)(1)(B), after the final recovery device, if a recovery system is present, prior to the inlet of any control device, and prior to any post-reactor or post-distillation unit introduction of halogenated compounds into the vent stream. No traverse site selection method is needed for vents smaller than 10 cm in diameter.

B) If any gas stream other than the reactor or distillation unit vent stream is normally conducted through the final recovery device:

i) The sampling site for vent stream flow rate and molar composition shall be prior to the final recovery device and prior to the point at which any nonreactor or nondistillation unit vent stream or stream from a nonaffected reactor or distillation unit is introduced. Method 18 incorporated by reference at Section 219.112 of this Part, shall be used to measure organic compound concentrations at this site.

ii) The efficiency of the final recovery device is determined by measuring the organic compound concentrations using Method 18, incorporated by reference at Section 219.112 of this Part, at the inlet to the final recovery device after the introduction of all vent streams and at the outlet of the final recovery device.

iii) The efficiency of the final recovery device determined according to subsection (a)(1)(B)(ii) of this Appendix shall be applied to the organic compound concentrations measured according to subsection (a)(1)(B)(i) of this Appendix to determine the concentrations of organic compounds from the final recovery device attributable to the reactor or distillation unit vent stream. The resulting organic compound concentrations are then used to perform the calculations outlined in subsection (a)(4) of this Appendix.

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2) The molar composition of the vent stream shall be determined as follows:

A) Method 18, incorporated by reference at Section 219.112 of this Part, to measure the concentration of organic compounds including those containing halogens;

B) ASTM D1946-77, incorporated by reference at Section 219.112 of this Part, to measure the concentration of carbon monoxide and hydrogen; and

C) Method 4, incorporated by reference at Section 219.112 of this Part, to measure the content of water vapor.

3) The volumetric flow rate shall be determined using Method 2, 2A, 2C, or 2D, incorporated by reference at Section 219.112 of this Part, as appropriate.

4) The emission rate of VOM (minus methane and ethane) [E(VOM)] in the vent stream shall be calculated using the following formula:

$$E[VOM] = K(2) \sum_{j=1}^n C[j]M[j] Q[s]$$

where:

E[VOM] = Emission rate of VOM (minus methane and ethane) in the sample, kg/hr.

K(2) = Constant,  $2.494 \times 10^{-6}$  (l/ppmv)(g-mole/scm)(kg/g)(min/hr), where standard temperature for (g-mole/scm) is 20° C.

C[j] = Concentration of compound j, on a dry basis, in ppmv as measured by Method 18, incorporated by reference at Section 219.112 of this Part, as indicated in Section 219.433(c)(3) of this Part.

M[j] = Molecular weight of sample j, g/g-mole.

Q[s] = Vent stream flow rate (scm) at a temperature of 20° C.

5) The total vent stream concentration (by volume) of compounds containing halogens (ppmv, by compound) shall be summed from the individual concentrations of compounds containing halogens which were measured by Method 18, incorporated by reference at Section 219.112 of this Part.

6) The net heating value of the vent stream shall be calculated using the following:

$$H(T) = K(1) \sum_{j=1}^n C[j]H[j] (1-B[ws])$$

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where:

$H(T)$  = Net heating value of the sample (MJ/scm), where the net enthalpy per mole of vent stream is based on combustion of 25° C and 760 mmHG, but the standard temperature for determining the volume corresponding to one mole is 25° C, as in the definition of  $Q(s)$  (vent stream flow rate).

$K(l)$  = Constant,  $1.740 \times 10^{(-7)}$  (ppmv)(-L) (g-mole/scm), where standard temperature for (g-mole/scm) is 20° C.

$B(ws)$  = Water vapor content of the vent stream, proportion by volume; except that if the vent stream passes through a final stream jet and is not condensed, it shall be assumed that  $B(ws) = 0.023$  in order to correct to 2.3 percent moisture.

$C(j)$  = Concentration on a dry basis of compound j in ppmv, as measured for all organic compounds by Method 18, incorporated by reference at Section 219.112 of this Part, and measured for hydrogen and carbon monoxide by using ASTM D1946-77, incorporated by reference at Section 219.112 of this Part.

$H(j)$  = Net heat of combustion of compound j, kCal/g-mole, based on combustion at 25° C and 760 mmHG. The heats of combustion of vent stream components shall be determined using ASTM D2382-83, incorporated by reference at Section 219.112 of this Part, if published values are not available or cannot be calculated.

- b) 1) The TRE index value of the vent shall be calculated using the following:

$$TRE = \frac{1}{E(VOM)} [a + b(Q(s)) + c(H(T)) + d(E(VOM))]$$

where:

TRE = TRE index value.

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$E(VOM)$  = Hourly emission rate of VOM (kg/hr) as calculated in subsection (a)(4) of this Appendix.

$Q(s)$  = Vent stream flow rate scm/min at a standard temperature of 20° C.

$H(T)$  = Vent stream net heating value (MJ/scm), as calculated in subsection (a)(6) of this Appendix.

$E(VOM)$  = Hourly emission rate of VOM (minus methane and ethane), (kg/hr) as calculated in subsection (a)(4) of this Appendix.

a, b, c, d = Value of coefficients presented below are:

## Value of Coefficients

Type of Stream	Control Device Basis	a	b	c	d
Nonhalogenated	Flare	2.129	0.183	-0.005	0.359
	Thermal incinerator zero (0) Percent heat Recovery	3.075	0.021	-0.037	0.018
	Thermal incinerator 70 Percent heat Recovery	3.803	0.032	-0.042	0.007
Halogenated	Thermal incinerator and scrubber	5.470	0.181	-0.040	0.004

- 2) Every owner or operator of a vent stream shall use the applicable coefficients identified for values a, b, c and d in subsection (b)(1) of this Appendix to calculate the TRE index value based on a flare, a thermal incinerator with zero percent heat recovery, and a thermal incinerator with 70 percent heat recovery, and shall select the lowest TRE index value.

- 3) Every owner or operator of a reactor or distillation unit with a halogenated vent stream, determined as any stream with a total concentration of halogen atoms contained in organic compounds of 200 ppmv or greater, shall use the applicable coefficients identified for values a, b, c and d in subsection (b)(1) of this Appendix to calculate the TRE index value based on a thermal

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incinerator and scrubber.

- c) Every owner or operator of a source seeking to comply with Section 219.432(b) of this Part shall recalculate the flow rate and VOM concentration for each affected vent stream whenever process changes are made. Examples of process changes include, but are not limited to, changes in production capacity, feedstock type, or catalyst type, or whenever there is replacement, removal, or addition of recovery equipment. The flow rate and VOM concentration shall be recalculated based on test data, or on best engineering estimates of the effects of the change to the recovery system.
- d) Whenever a process change, as defined in Section 219.435(c) of this Subpart, yields a TRE index value of 1.0 or less, the owner or operator shall notify and submit a report to the Agency according to the requirements specified in Section 219.435(c) of this Subpart, within 180 calendar days after the process change and shall conduct a performance test according to the methods and procedures required by Section 219.433 of this Part.
- e) For the purpose of demonstrating that a process vent stream has a VOM concentration below 500 ppmv, the following shall be used:
- 1) The sampling site shall be selected as specified in Section 219.433(c)(1) of this Part.
  - 2) Method 18 or Method 25A of 40 CFR Part 60, Appendix A, incorporated by reference at Section 219.112 of this Part, shall be used to measure concentration; alternatively, any other method or data that has been validated according to the protocol in Method 301 of 40 CFR Part 63, Appendix A, incorporated by reference at Section 219.112 of this Part, may be used.
  - 3) Where Method 18 is used, the following procedures shall be used to calculate ppmv concentration:
    - i) The minimum sampling time for each run shall be 1 hour in which either an integrated sample or four grab samples shall be taken. If grab sampling is used, then the samples shall be taken at approximately equal intervals in time, such as 15 minute intervals during the run.
    - ii) The concentration of VOM shall be calculated using Method 18 according to Section 219.433(c)(4) of this Part.
  - 4) Where Method 25A is used, the following procedures shall be used to calculate ppmv VOM concentration:
    - i) Method 25A shall be used only if a single VOM is greater than 50 percent of total VOM, by volume, in the process vent stream.
    - ii) The vent stream composition may be determined by either process knowledge, test data collected using an appropriate Reference Method or a method of data collection validated according to the protocol in Method 301 of 40 CFR Part 63, Appendix A, incorporated by reference at Section 219.112 of

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this Part. Examples of information that constitute process knowledge include calculations based on material balances, process stoichiometry, or previous test results provided the results are still relevant to the current process vent stream conditions.

- iii) The VOM used as the calibration gas for Method 25A shall be the single VOM present at greater than 50 percent of the total VOM by volume.
- iv) The span value for Method 25A shall be 50 ppmv.
- v) Use of Method 25A is acceptable if the response from the high-level calibration gas is at least 20 times the standard deviation of the response from the zero calibration gas when the instrument is zeroed on the most sensitive scale.
- vi) The concentration of VOM shall be corrected to 3 percent oxygen using the procedures and equation in Section 219.433(c)(3) of this Part.
- 5) The owner or operator shall demonstrate that the concentration of VOM, including methane and ethane, measured by Method 25A is below 250 ppmv to qualify for the low concentration exclusion in Section 219.431 of this Part.

(Source: Added at 19 Ill. Reg. 6958, effective MAY 09 1995)



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**Section 219.212 Cross-Line Averaging**  
**219.212 APPENDIX H Baseline VOM Content Limitations for Subpart F, Section 219.212**

This Appendix contains limitations for purposes of determining compliance with the requirements in Section 219.212 of this Part. A source must establish that, at very least, each participating coating line used for purposes of cross-line averaging meets the Federal Implementation Plan level of VOM content, as listed below. The emission limitations for participating coating lines that must not be exceeded are as follows:

**a) Automobile or Light-Duty Truck Coating**

	kg/l	lb/gal
1) Prime coat	0.14	(1.2)
2) Primer surface coat	1.81	(15.1)

(Note: The primer surface coat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire primer surface operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b) and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 does not apply to the primer surface limitation.)

**3) Topcoat**

(Note: The topcoat limitation is in units of kg (lbs) of VOM per l (gal) of coating solids deposited. Compliance with the limitation shall be based on the daily-weighted average from an entire topcoat operation. Compliance shall be demonstrated in accordance with the topcoat protocol referenced in Section 219.105(b) of this Part and the recordkeeping and reporting requirements specified in Section 219.211(f). Testing to demonstrate compliance shall be performed in accordance with the topcoat protocol and a detailed testing proposal approved by the Agency and USEPA specifying the method of demonstrating compliance with the protocol. Section 219.205 of this Part does not apply to the topcoat limitation.)

	kg/l	lb/gal
1) Final repair coat	0.58	(4.8)

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b) Can Coating	kg/l	lb/gal
1) Sheet basecoat and overvarnish	0.34	(2.8)
2) Exterior basecoat and overvarnish	0.34	(2.8)
3) Interior body spray coat	0.51	(4.2)
4) Exterior end coat	0.51	(4.2)
5) Side seam spray coat	0.66	(5.5)
6) End sealing compound coat	0.44	(3.7)
c) Paper Coating	kg/l	lb/gal
	0.35	(2.9)

(Note: The paper coating limitation shall not apply to any owner or operator of any paper coating line on which printing is performed if the paper coating line complies with the emissions limitations in Subpart H: Printing and Publishing, Section 219.401 of this Part.)

d) Coil Coating	kg/l	lb/gal
e) Fabric Coating		
f) Vinyl Coating	0.45	(3.8)
g) Metal Furniture Coating		
1) Air Dried	0.36	(3.0)
2) Baked	0.36	(3.0)
h) Large Appliance Coating		
1) Air Dried	0.34	(2.8)
2) Baked	0.34	(2.8)

(Note: The limitation shall not apply to the use of quick-drying lacquers for repair of scratches and nicks that occur during assembly; provided that the volume of coating does not exceed 0.95 l (1 quart) in any one rolling eight-hour period.)

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i) <u>Magnet Wire Coating</u>	<u>kg/l</u>	<u>lb/gal</u>
	<u>0.20</u>	<u>(1.7)</u>
j) <u>Miscellaneous Metal Parts and Products Coating</u>		
1) <u>Clear coating</u>	<u>0.52</u>	<u>(4.3)</u>
2) <u>Extreme performance coating</u>		
A) <u>Air Dried</u>	<u>0.42</u>	<u>(3.5)</u>
B) <u>Baked</u>	<u>0.42</u>	<u>(3.5)</u>
3) <u>Steel pail and drum interior coating</u>	<u>0.52</u>	<u>(4.3)</u>
4) <u>All other coatings</u>		
A) <u>Air Dried</u>	<u>0.42</u>	<u>(3.5)</u>
B) <u>Baked</u>	<u>0.36</u>	<u>(3.0)</u>
k) <u>Heavy Off-Highway Vehicle Products Coating</u>	<u>kg/l</u>	<u>lb/gal</u>
1) <u>Extreme performance prime coat</u>	<u>0.42</u>	<u>(3.5)</u>
2) <u>Extreme performance top-coat (air dried)</u>	<u>0.42</u>	<u>(3.5)</u>
3) <u>Final repair coat (air dried)</u>	<u>0.42</u>	<u>(3.5)</u>
4) <u>All other coatings are subject to the emission limitations for miscellaneous metal parts and products coatings in subsection (j) above.</u>		
l) <u>Wood Furniture Coating</u>	<u>kg/l</u>	<u>lb/gal</u>
1) <u>Clear topcoat</u>	<u>0.67</u>	<u>(5.6)</u>
2) <u>Opaque stain</u>	<u>0.56</u>	<u>(4.7)</u>
3) <u>Pigmented coat</u>	<u>0.60</u>	<u>(5.0)</u>

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4) <u>Repair coat</u>	<u>0.67</u>	<u>(5.6)</u>
5) <u>Sealer</u>	<u>0.67</u>	<u>(5.6)</u>
6) <u>Semi-transparent stain</u>	<u>0.79</u>	<u>(6.6)</u>
7) <u>Wash coat</u>	<u>0.73</u>	<u>(6.1)</u>

(Note: An owner or operator of a wood furniture coating operation subject to this Section shall apply all coatings, with the exception of no more than 37.8 l (10 gal) of coating per day used for touch-up and repair operations, using one or more of the following application systems: airless spray application system, air-assisted airless spray application system, electrostatic spray application system, electrostatic bell or disc spray application system, heated airless spray application system, roller coating, brush or wipe coating application system, dip coating application system or high volume low pressure (HVLP) application system.)

m) Plastic Parts Coating: Automotive/Transportation

	<u>kg/l</u>	<u>lb/gal</u>
1) <u>Interiors</u>		
A) <u>Baked</u>		
i) <u>Color coat</u>	<u>0.49*</u>	<u>(4.1)*</u>
ii) <u>Primer</u>	<u>0.46*</u>	<u>(3.8)*</u>
B) <u>Air Dried</u>		
i) <u>Color coat</u>	<u>0.38*</u>	<u>(3.2)*</u>
ii) <u>Primer</u>	<u>0.42*</u>	<u>(3.5)*</u>
2) <u>Exteriors (flexible and non-flexible)</u>		
A) <u>Baked</u>		
i) <u>Primer</u>	<u>0.60*</u>	<u>(5.0)*</u>
ii) <u>Primer non-flexible</u>	<u>0.54*</u>	<u>(4.5)*</u>

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- iii) Clear coat 0.52\* (4.3)\*
- iv) Color coat 0.55\* (4.6)\*
- B) Air Dried
  - i) Primer 0.66\* (5.5)\*
  - ii) Clear coat 0.54\* (4.5)\*
  - iii) Color coat 0.67\* (5.6)\*  
(red & black)
  - iv) Color coat (others) 0.61\* (5.1)\*

3) Specialty

- A) Vacuum metallizing  
basecoats, texture  
basecoats 0.66\* (5.5)\*
- B) Black coatings,  
reflective argent  
coatings, air  
bag cover coatings,  
and soft coatings 0.71\* (5.9)\*
- C) Gloss reducers,  
vacuum metallizing  
topcoats, and  
texture topcoats 0.77\* (6.4)\*
- D) Stencil coatings,  
adhesion primers,  
ink pad coatings,  
electrostatic prep  
coatings, and resist  
coatings 0.82\* (6.8)\*
- E) Head lamp lens  
coatings 0.89\* (7.4)\*

n) Plastic Parts Coating: Business Machine

- kg/l 1b/gal
- 1) Primer 0.14\* (1.2)\*

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- 2) Color coat (non-  
texture coat) 0.28\* (2.3)\*
- 3) Color coat (texture  
coat) 0.28\* (2.3)\*
- 4) Electromagnetic  
interference/radio  
frequency interference  
(EMI/RFI) shielding coatings 0.48\* (4.0)\*
- 5) Specialty Coatings

- A) Soft coat 0.52\* (4.3)\*
- B) Plating resist 0.71\* (5.9)\*
- C) Plating sensitizer 0.85\* (7.1)\*

(Source: Added at 19 Ill. Reg. effective  
MAY 09 1995 ) 6958,



## DEPARTMENT OF AGRICULTURE

## NOTICE OF PEREMPTORY AMENDMENTS

1) Heading of the Part: Meat and Poultry Inspection Act

2) Code Citation: 8 Ill. Adm. Code 125

3) Section Numbers: Peremptory Action:

125.260 Amended

125.380 Amended

4) Reference to the Specific State or Federal Court Order, Federal Rule or Statute which requires this Peremptory Rulemaking: Section 16 of the Meat and Poultry Inspection Act [225 ILCS 650/16]; the Federal Meat Inspection Act (21 U.S.C.A. 661); the Federal Poultry Inspection Act (21 U.S.C.A. 454); 60 FR 12883.

5) Statutory Authority: The Meat and Poultry Inspection Act [225 ILCS 650].

6) Effective Date: May 8, 1995

7) A Complete Description of the Subjects and Issues Involved:

In order to maintain an "equal to" status with the federal meat and poultry products inspection program as required by the Federal Meat Inspection Act, the Federal Poultry Inspection Act, and in compliance with Section 16 of the Meat and Poultry Inspection Act, changes in the federal rules relative to meat and poultry inspection are hereby adopted.

The Food Safety and Inspection Service (FSIS) of the United States Department of Agriculture is amending the Federal meat and poultry products inspection regulations to update references to the National Institute of Standards and Technology (NIST) Handbook 133, "Checking the Net Contents of Packaged Goods" and NIST Handbook 44, "Specifications, Tolerances and Other Technical Requirements for Measuring Devices" (refer to the March 9, 1995 issue of the Federal Register, page 12883).

8) Does this rulemaking contain an automatic repeal date? No

9) Date Filed in Agency's Principal Office: May 8, 1995

10) This rule is in compliance with Section 5-50 of the Illinois Administrative Procedure Act.

11) Are there any proposed amendments pending to this Part? No.

12) Statement of Statewide Policy Objectives: Rulemaking does not affect units of local governments.

13) Information and questions regarding this adopted amendment shall be

## DEPARTMENT OF AGRICULTURE

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directed to:

Debbie Wakefield  
Illinois Department of Agriculture  
State Fairgrounds  
Springfield, IL 62794-9281  
(217) 785-5713 FAX: (217) 785-4505

The full text of the peremptory amendments begins on the next page:

## DEPARTMENT OF AGRICULTURE

## NOTICE OF PEREMPTORY AMENDMENTS

## TITLE 8: AGRICULTURE AND ANIMALS

## CHAPTER I: DEPARTMENT OF AGRICULTURE

## SUBCHAPTER c: MEAT AND POULTRY INSPECTION ACT

## PART 125

## MEAT AND POULTRY INSPECTION ACT

SUBPART A: GENERAL PROVISIONS FOR BOTH MEAT AND/OR  
POULTRY INSPECTION

Section	Definitions
125.10	Incorporation by Reference of Federal Rules
125.20	Application for License; Approval
125.30	Official Number
125.40	Inspections; Suspension or Revocation of License
125.50	Administrative Hearings; Appeals
125.60	Assignment and Authority of Program Employees
125.70	Schedule of Operations; Overtime
125.80	Official Marks of Inspection, Devices and Certificates
125.90	Records and Reports
125.100	Exemptions
125.110	Disposal of Dead Animals and Poultry
125.120	Reportable Animal and Poultry Diseases
125.130	Detention; Seizure; Condemnation
125.140	

## SUBPART B: MEAT INSPECTION

Section	Livestock and Meat Products Entering Official Establishments
125.150	Equine and Equine Products
125.160	Facilities for Inspection
125.170	Sanitation
125.180	Ante-Mortem Inspection
125.190	Post-Mortem Inspection
125.200	Disposal of Diseased or Otherwise Adulterated Carcasses and Parts
125.210	Humane Slaughter of Animals
125.220	Handling and Disposal of Condemned or Other Inedible Products at Official Establishment
125.230	Rendering or Other Disposal of Carcasses and Parts Passed for Cooking
125.240	Marking Products and Their Containers
125.250	Labeling, Marking and Containers
125.260	Entry into Official Establishment; Reinspection and Preparation of Product
125.270	Meat Definitions and Standards of Identity or Composition
125.280	Transportation
125.290	Imported Products
125.295	Special Services Relating to Meat and Other Products
125.300	

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## 125.305 Exotic Animal Inspection

## SUBPART C: POULTRY INSPECTION

Section	Application of Inspection
125.310	Facilities for Inspection
125.320	Sanitation
125.330	Operating Procedures
125.340	Ante-Mortem Inspection
125.350	Post-Mortem Inspection; Disposition of Carcasses and Parts
125.360	Handling and Disposal of Condemned or Inedible Products at Official Establishments
125.370	Labeling and Containers
125.380	Entry of Articles Into Official Establishments; Processing Inspection
125.390	and Other Reinspections; Processing Requirements
125.400	Definitions and Standards of Identity or Composition
125.410	Transportation; Sale of Poultry or Poultry Products

AUTHORITY: Implementing and authorized by the Meat and Poultry Inspection Act (Ill. Rev. Stat. 1991, ch. 56 1/2, par. 301 et seq.) [225 ILCS 650] and Section 16 of the Civil Administrative Code of Illinois (Ill. Rev. Stat. 1991, ch. 127, par. 16) [20 ILCS 5/16].

SOURCE: Adopted at 9 Ill. Reg. 1782, effective January 24, 1985; peremptory amendment at 9 Ill. Reg. 2337, effective January 28, 1985; peremptory amendment at 9 Ill. Reg. 2980, effective February 20, 1985; peremptory amendment at 9 Ill. Reg. 4856, effective April 1, 1985; peremptory amendment at 9 Ill. Reg. 10102, 9240, effective June 5, 1985; peremptory amendment at 9 Ill. Reg. 11673, effective June 13, 1985; peremptory amendment at 9 Ill. Reg. 11673, effective July 17, 1985; peremptory amendment at 9 Ill. Reg. 13748, effective August 23, 1985; peremptory amendment at 9 Ill. Reg. 15575, effective October 2, 1985; peremptory amendment at 9 Ill. Reg. 19759, effective December 5, 1985; peremptory amendment at 10 Ill. Reg. 447, effective December 23, 1985; peremptory amendment at 10 Ill. Reg. 1307, effective January 7, 1986; peremptory amendment at 10 Ill. Reg. 3318, effective January 24, 1986; peremptory amendment at 10 Ill. Reg. 3880, effective February 7, 1986; peremptory amendment at 10 Ill. Reg. 11478, effective June 25, 1986; peremptory amendment at 10 Ill. Reg. 14858, effective August 22, 1986; peremptory amendment at 10 Ill. Reg. 15305, effective September 10, 1986; peremptory amendment at 10 Ill. Reg. 16743, effective September 19, 1986; peremptory amendment at 10 Ill. Reg. 18203, effective October 15, 1986; peremptory amendment at 10 Ill. Reg. 19818, effective November 12, 1986; peremptory amendment at 11 Ill. Reg. 1696, effective January 5, 1987; peremptory amendment at 11 Ill. Reg. 2930, effective January 23, 1987; peremptory amendment at 11 Ill. Reg. 9645, effective April 29, 1987; peremptory amendment at 11 Ill. Reg. 10121, effective May 15, 1987; peremptory amendment at 11 Ill. Reg. 11184,

## DEPARTMENT OF AGRICULTURE

## NOTICE OF PEREMPTORY AMENDMENTS

effective June 5, 1987; peremptory amendment at 11 Ill. Reg. 14830, effective August 25, 1987; peremptory amendment at 11 Ill. Reg. 18799, effective November 3, 1987; peremptory amendment at 11 Ill. Reg. 19805, effective November 19, 1987; peremptory amendment at 12 Ill. Reg. 2154, effective January 6, 1988; amended at 12 Ill. Reg. 3417, effective January 22, 1988; peremptory amendment at 12 Ill. Reg. 4879, effective February 25, 1988; peremptory amendment at 12 Ill. Reg. 6313, effective March 21, 1988; peremptory amendment at 12 Ill. Reg. 13621, 6819, effective March 29, 1988; peremptory amendment at 12 Ill. Reg. 13621, effective August 8, 1988; peremptory amendment at 12 Ill. Reg. 19116, effective November 1, 1988; peremptory amendment at 12 Ill. Reg. 20894, effective December 21, 1988; peremptory amendment at 13 Ill. Reg. 228, effective January 13, 1989; peremptory amendment at 13 Ill. Reg. 2160, effective February 13, 1989; amended at 13 Ill. Reg. 3696, effective March 13, 1989; peremptory amendment at 13 Ill. Reg. 15853, effective October 5, 1989; peremptory amendment at 13 Ill. Reg. 16838, effective October 11, 1989; peremptory amendment at 13 Ill. Reg. 17495, effective January 18, 1990; amended at 14 Ill. Reg. 3424, effective February 26, 1990; peremptory amendment at 14 Ill. Reg. 4953, effective March 23, 1990; peremptory amendment at 14 Ill. Reg. 11401, effective July 6, 1990; peremptory amendment at 14 Ill. Reg. 13355, effective August 20, 1990; peremptory amendment at 14 Ill. Reg. 16064, effective September 24, 1990; peremptory amendment at 14 Ill. Reg. 21060, effective May 29, 1991; peremptory amendment at 15 Ill. Reg. 620, effective January 2, 1991; peremptory amendment withdrawn at 15 Ill. Reg. 1574, effective January 2, 1991; peremptory amendment at 15 Ill. Reg. 3117, effective September 3, 1991; peremptory amendment at 15 Ill. Reg. 8714, effective May 29, 1991; amended at 15 Ill. Reg. 8801, effective June 7, 1991; peremptory amendment at 15 Ill. Reg. 13976, effective September 20, 1991; peremptory amendment at 16 Ill. Reg. 1899, effective March 2, 1992; amended at 16 Ill. Reg. 8349, effective May 26, 1992; peremptory amendment at 16 Ill. Reg. 11687, effective July 10, 1992; peremptory amendment at 16 Ill. Reg. 11963, effective July 22, 1992; peremptory amendment at 16 Ill. Reg. 12234, effective July 24, 1992; peremptory amendment at 16 Ill. Reg. 16337, effective October 19, 1992; peremptory amendment at 16 Ill. Reg. 17165, effective October 21, 1992; peremptory amendment at 17 Ill. Reg. 15725, effective February 12, 1993; peremptory amendment at 17 Ill. Reg. 15725, effective September 7, 1993; peremptory amendment at 17 Ill. Reg. 16238, effective September 8, 1993; peremptory amendment at 17 Ill. Reg. 18215, effective October 5, 1993; peremptory amendment at 18 Ill. Reg. 304, effective December 23, 1993; peremptory amendment at 18 Ill. Reg. 2164, effective January 24, 1994; amended at 18 Ill. Reg. 4622, effective March 14, 1994; peremptory amendment at 18 Ill. Reg. 6442, effective April 18, 1994; peremptory amendment at 18 Ill. Reg. 8493, effective May 27, 1994; amended at 18 Ill. Reg. 11489, effective July 7, 1994; peremptory amendment at 18 Ill. Reg. 12546, effective July 29, 1994; peremptory amendment at 18 Ill. Reg. 14475, effective September 7, 1994; amended at 18 Ill. Reg. 14924, effective September 26, 1994; peremptory amendment at 18 Ill. Reg. 15452, effective September 27, 1994; peremptory amendment at 19 Ill. Reg. 1342, effective January 27, 1995; peremptory amendment at 19 Ill. Reg. 4765, effective March 13, 1995; peremptory amendment at 19 Ill. Reg. **7067**, effective May 8, 1995.

## DEPARTMENT OF AGRICULTURE

## NOTICE OF PEREMPTORY AMENDMENTS

## SUBPART B: MEAT INSPECTION

## Section 125.260 Labeling, Marking and Containers

- a) The Department incorporates by reference 9 CFR 317.1 through 317.2(j)(10), 317.2(j)(12) through 317.4(d)(1), 317.5 through 317.6, 317.8, 317.10 through 317.14, 317.17 through 317.24, 317.300, 317.302, 317.308, 317.309, 317.312, 317.313, 317.343, 317.344, 317.345, 317.354, 317.356, 317.360, 317.361, 317.362, 317.369, 317.380, 317.400 (1990); 55 FR 7289, effective August 28, 1990; 55 FR 34678, effective September 24, 1990; 55 FR 49826 and 50081, effective May 29, 1991; 56 FR 1359, effective September 3, 1991; 56 FR 22638, effective January 2, 1992; 56 FR 41445, effective September 20, 1991; 56 FR 67485, effective March 2, 1992; 57 FR 24542, effective July 10, 1992; 58 FR 42188, effective September 8, 1993; 58 FR 38046, effective August 16, 1993; 59 FR 12536, effective April 18, 1994; 59 FR 14528, effective May 27, 1994; 58 FR 632, 58 FR 43787, 58 FR 47624, 58 FR 66075, and 59 FR 12157, effective July 6, 1994; 59 FR 40209, effective August 8, 1994; 59 FR 45189, effective September 1, 1994; 60 FR 174, effective January 3, 1995; 60 FR 12883, effective May 8, 1995).
- b) The Department shall approve only those abbreviations for marks of inspection as specifically stated in Section 2.26(j)(3) and (k)(3), (4), (5) and (9) of the Act.
- c) Labeling and sketch labeling shall be approved by the Department if the label is in compliance with the provisions of this Section and the label is not misbranded in accordance with Section 2.20 of the Act. All labels and sketch labels shall be submitted to the Springfield office of the Department for approval.
- d) The Department shall approve temporary labeling as stated in 9 CFR 317.4(d)(1). Labeling which has received temporary approval shall not be used beyond the temporary approval period unless the printer or manufacturer of the label is unable to provide the official establishment with the labels before the expiration of the temporary approval.
- e) The quantity of contents as shown on the label shall be in compliance with the Weights and Measures Act (Ill. Rev. Stat. 1991, ch. 147, par. 101 et seq.) [225 ILCS 470] and the rules adopted thereto (8 Ill. Adm. Code 600.120).
- f) The Department does not approve terms for generic labeling and considers the approval of terms as generic to be the responsibility of the federal government.
- g) With regard to the incorporated language in 9 CFR 317.6, the extension of time for exhausting existing stocks of labels is not applicable since all labels presently in use are in compliance with the rules of this Part.
- h) The Department does not issue a list of approved packaging materials and will permit for use any packaging material which has been approved by the U.S. Department of Agriculture (see 49 FR 2235, effective July



## DEPARTMENT OF AGRICULTURE

## NOTICE OF PEREMPTORY AMENDMENTS

- 17, 1984).
- i) Labels to be used for the relabeling of inspected and passed product shall be permitted to leave the official establishment when the product must be relabeled because the original labels have become mutilated or damaged. The official establishment shall reimburse the Department for any overtime costs, if applicable, involved for the inspector to supervise the relabeling of a product. The overtime charges shall be as set forth in Section 125.80.
  - j) The inspector shall grant authorization to transport labels, wrappers and containers bearing official marks from one official establishment to another official establishment provided the official establishment provides to the inspector the information required in 9 CFR 317.13 so that the inspector can notify the inspector at the destination point.
  - k) Labeling of custom slaughter and/or custom processed meat and/or meat products and the containers containing custom slaughtered and/or custom processed meat and/or meat products shall be as set forth in Section 5 of the Act.
  - l) References in the incorporated language to 9 CFR 312 shall be interpreted to mean in accordance with Section 125.90.

(Source: Peremptory amendment at 19 Ill. Reg. **7067**, effective May 8, 1995)

## SUBPART C: POULTRY INSPECTION

## Section 125.380 Labeling and Containers

- a) The Department incorporates by reference 381.115 through 381.127, 381.129 through 381.132(b)(1), 381.133 through 381.144(d), 381.400, 381.402, 381.408, 381.409, 381.412, 381.413, 381.443, 381.444, 381.445, 381.454, 381.456, 381.460, 381.461, 381.462, 381.469, 381.480, 381.500 (1990; 55 FR 5976, effective March 23, 1990; 55 FR 7289, effective August 28, 1990; 55 FR 49826 and 50081, effective May 29, 1991; 56 FR 1359, effective September 3, 1991; 56 FR 22638, effective January 2, 1992; 56 FR 67485, effective March 2, 1992; 57 FR 24542, effective July 10, 1992; 57 FR 43588, effective October 21, 1992; 58 FR 38046, effective August 16, 1993; 59 FR 14528, effective May 27, 1994; 58 FR 632, 58 FR 43787, 58 FR 47624, and 59 FR 12157, effective July 6, 1994; 59 FR 40209, effective August 8, 1994; 59 FR 45189, effective September 1, 1994; 60 FR 174 and correction printed at 60 FR 5762, effective January 3, 1995; 60 FR 10304, effective February 24, 1995; 60 FR 12883, effective May 8, 1995).
- b) Each shipping container and each immediate container containing inspected and passed poultry and/or poultry products shall be identified in accordance with the labeling provisions of this Section.
- c) Immediate containers of poultry products packed in, bearing or containing any chemical additive shall bear a label naming the additive and the purpose of its use.

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- d) Labels for consumer packages shall be approved if the label is not misbranded in accordance with Section 2.20 of the Act and is in compliance with this Section.
- e) The specific statements listed in 9 CFR 381.121 may be added to the label for the shipping container at the option of the licensee.
- f) The quantity of contents as shown on the label shall be in compliance with the Weights and Measures Act and the rules adopted thereto (8 Ill. Adm. Code 600.1120).
- g) No labeling or containers that have not been approved shall be used until a final decision is rendered at an administrative hearing in accordance with Section 19 of the Act and Section 125.60.
- h) The Department shall approve the manufacture of a device or label containing an official mark of inspection provided the device or label is in compliance with Section 125.90.
- i) Labeling and sketch labeling shall be approved by the Department if the label is in compliance with the provisions of this Section and the label is not misbranded in accordance with Section 2.20 of the Act. All labels and sketch labels shall be submitted to the Springfield office of the Department for approval.
- j) The Department shall approve temporary labeling as stated in 9 CFR 381.132(b)(1). Labeling which has received temporary approval shall not be used beyond the temporary approval period unless the printer or manufacturer of the label is unable to provide the official establishment with the permanent labels before the expiration of the temporary approval.
- k) A copy of each label submitted for approval shall be accompanied by a statement showing the common or usual names, the kinds and percentages of the ingredients comprising the poultry product and a statement indicating the method or preparation of the product with respect to which the label is to be used. Laboratories used for chemical analysis shall be any approved laboratory as defined in 8 Ill. Adm. Code 20.1.
- l) The Department does not approve terms for generic labeling and considers the approval of terms as generic to be the responsibility of the federal government.
- m) The Department does not issue a list of approved packaging materials and will permit for use any packaging material which has been approved by the U.S. Department of Agriculture (see 49 FR 2235, effective July 17, 1984).
- n) Labels and devices approved for use pursuant to Section 125.90 and this Section shall be disposed of only when such labels or devices have been mutilated or damaged or when the establishment ceases to do business. Such labels and devices shall be given to the inspector for disposition.
- o) The inspector shall grant authorization to transport labels, wrappers and containers bearing official marks from one official establishment to another official establishment provided the official establishment provides to the inspector the information required in 9 CFR 381.138 so

## DEPARTMENT OF AGRICULTURE

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- p) that the inspector can notify the inspector at the destination point. Labels to be used for the relabeling of inspected and passed product shall be permitted to leave the official establishment when the product must be relabeled because the original labels have become mutilated or damaged. The official establishment shall reimburse the Department for any overtime costs, if applicable, involved for the inspector to supervise the relabeling of a product. The overtime charges shall be as set forth in Section 125.80.
- q) Labeling of custom slaughtered and/or custom processed poultry and/or poultry products and the containers containing custom slaughtered and/or custom processed poultry products shall be as set forth in Section 5 of the Act.
- r) The Department shall approve only those abbreviations for marks of inspection as specifically stated in Section 2.26(j)(3), (4), (5) and (9) of the Act.

(Source: Peremptory amendment at 19 Ill. Reg. **7067**, effective May 8, 1995)

## DEPARTMENT OF PUBLIC AID

## NOTICE OF REFUSAL TO MEET THE OBJECTION OF THE JOINT COMMITTEE ON ADMINISTRATIVE RULES

- 1) Heading of the Part: Demonstration Programs
- 2) Code Citation: 89 Ill. Adm. Code 170
- 3) Section Number: Emergency Action:  
170.300 New Section
- 4) Notice of Emergency Amendments Published in the Illinois Register: January 20, 1995 (19 Ill. Reg. 645)
- 5) JCAR Statement of Objection to Emergency Amendments Published in the Illinois Register: February 24, 1995 (19 Ill. Reg. 2318)
- 6) Summary of Action Taken by the Agency:

The Joint Committee on Administrative Rules issued an objection in relation to the Department of Public Aid's emergency amendments to 89 Ill. Adm. Code 170 (Demonstration Programs). The emergency amendments added Section 170.300 to implement a pilot truancy prevention program.

Two specific objections were issued by the Joint Committee. First, the Joint Committee states that the rules exceed the Department's "preferred payment authority" under Section 4-8 of the Public Aid Code and the Department's rules at 89 Ill. Adm. Code 117.10. The Joint Committee is apparently referring to the Department's authority for "protective payment to a substitute payee" authorized by Sections 4-8 and 4-9 of the Public Aid Code (305 ILCS 5/4-8 and 4-9). The Department does not believe that its emergency amendments violate the statutory language or conflict with the other provisions of its rules.

The statutory language authorizes the use of protective payment when there is evidence of grant mismanagement and specifically authorizes the Department to "prescribe criteria which shall constitute evidence of grant mismanagement." Several illustrative criteria are included in the statutory language. The phrase "include but not be limited to" clearly identifies these criteria in the statute as non-exclusive and does not limit the Department's authority to add additional criteria.

It should also be noted that recent amendments to Section 4-8 of the Public Aid Code included in Public Act 89-6, effective March 6, 1995, have added language specifically authorizing the Department to use protective payment plans when there is evidence of "irregular school attendance by children of elementary school age." Any ambiguity concerning the Department's authority for this policy has been eliminated by these statutory amendments.

## DEPARTMENT OF PUBLIC AID

## NOTICE OF REFUSAL TO MEET THE OBJECTION OF THE JOINT COMMITTEE ON ADMINISTRATIVE RULES

Similar to the prior statutory language, the language in the Department's rules at 89 Ill. Adm. Code 117.10 clearly identifies the specified criteria as "examples." In order to clarify these rules and to implement the new statutory language, the Department plans to propose amendments to specifically include the criteria used in the truancy prevention project; however, the illustrative and non-exclusive nature of the criteria is clear from the current language of the rules. On that basis, the Department does not believe that there is a conflict between these rules and the emergency amendments.

The Joint Committee's second specific objection states that the emergency amendments violate the Administrative Procedure Act because "no emergency constituting a threat to the public interest, welfare or safety is apparent." The Department's notice of emergency amendments, however, specifically outlined the basis for the Department's finding that an emergency existed. As stated in the notice, "Any unnecessary delay will threaten the public interest by reducing the effectiveness of this demonstration program." The notice also stated that "efforts to reduce truancy and to encourage children to remain in school will be less effective if implemented later in the school year and local agencies have urged prompt action by the Department." The Department believes that use of emergency rulemaking under these circumstances was justified and was in compliance with the Administrative Procedure Act.

## JOINT COMMITTEE ON ADMINISTRATIVE RULES

## AGENDA

STRATTON OFFICE BUILDING  
ROOM D-1  
SPRINGFIELD, ILLINOIS  
9:00 A.M.  
MAY 23, 1995

**NOTICES:** Due to Register submittal deadlines, the Agenda below is incomplete. Other items not contained in this published Agenda are likely to be considered by the Committee at its May meeting.

It is the policy of the Committee to allow only representatives of state agencies to testify orally on any rule under consideration at Committee hearings. If members of the public wish to express their views with respect to a proposed rule, they should submit written comments to the Office of the Joint Committee on Administrative Rules at the following address:

Joint Committee on Administrative Rules  
700 Stratton Building  
Springfield, Illinois 62706

**RULEMAKINGS SCHEDULED FOR JCAR REVIEW**

The following rulemakings are scheduled for review at this meeting. JCAR staff may be proposing action with respect to some of these rulemakings. JCAR members may have questions concerning, and may initiate action with respect to, any item scheduled for JCAR review and any other issues within the Committee's purview.

**PROPOSED RULEMAKINGS**Agriculture

Weights and Measures Act (8 Ill Adm Code 600)

-First Notice Published: 19 Ill Reg 2356- 3 3/95

-Expiration of Second Notice Period: 6/8/95

Central Management Services

Merit and Fitness (80 Ill Adm Code 302)

-First Notice Published: 19 Ill Reg 2539 - 3 10/95

-Expiration of Second Notice Period: 6/18/95

Conditions of Employment (80 Ill Adm Code 303)

-First Notice Published: 19 Ill Reg 2424 - 3/10/95

-Expiration of Second Notice Period: 6/18/95

Pay Plan (80 Ill Adm Code 310)

-First Notice Published: 19 Ill Reg 2365- 3/3/95



JOINT COMMITTEE ON ADMINISTRATIVE RULES

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-Expiration of Second Notice Period: 5/31/95  
Pay Plan (80 Ill Adm Code 310)  
-First Notice Published: 19 Ill Reg 3122 - 3/17/95  
-Expiration of Second Notice Period: 6/17/95

State of Illinois Dependent Care Assistance Plan (80 Ill Adm Code 2110)  
-First Notice Published: 19 Ill Reg 774 - 1/27/95  
-Expiration of Second Notice Period: 6/7/95

State of Illinois Medical Care Assistance Plan (80 Ill Adm Code 2120)  
-First Notice Published: 19 Ill Reg 779 - 1/27/95  
-Expiration of Second Notice Period: 6/7/95

Travel (80 Ill Adm Code 2800)  
-First Notice Published: 19 Ill Reg 2098 - 2/24/95  
-Expiration of Second Notice Period: 6/16/95

The Travel Regulation Council (80 Ill Adm Code 3000)  
-First Notice Published: 19 Ill Reg 2093 - 2/24/95  
-Expiration of Second Notice Period: 6/16/95

Children and Family Services

Services Delivered by the Department (89 Ill Adm Code 302)  
-First Notice Published: 19 Ill Reg 1372 - 2/17/95  
-Expiration of Second Notice Period: 6/8/95

Administration of Psychotropic Medications to Children for Whom the Department of Children and Family Services is Legally Responsible (89 Ill Adm Code 325)  
-First Notice Published: 18 Ill Reg 8765 - 6/17/94  
-Expiration of Second Notice Period: 6/11/95

Conservation

White-Tailed Deer Hunting by Use of Bow and Arrow (17 Ill Adm Code 670)  
-First Notice Published: 19 Ill Reg 1393 - 2/17/95  
-Expiration of Second Notice Period: 6/3/95

Consignment of Licenses and Stamps (17 Ill Adm Code 2520)  
-First Notice Published: 19 Ill Reg 3131 - 3/17/95  
-Expiration of Second Notice Period: 6/18/95

Health Care Cost Containment Council

Data Collection (77 Ill Adm Code 2510)  
-First Notice Published: 19 Ill Reg 2189 - 2/24/95

JOINT COMMITTEE ON ADMINISTRATIVE RULES

AGENDA

-Expiration of Second Notice Period: 5/31/95

Housing Development Authority

Affordable Housing Bond Program-Single Family (47 Ill Adm Code 366)  
-First Notice Published: 19 Ill Reg 1452 - 2/17/95  
-Expiration of Second Notice Period: 6/7/95

Nuclear Safety

Standards for Protection Against Radiation (32 Ill Adm Code 340)  
-First Notice Published: 18 Ill Reg 11002 - 7/15/94  
-Expiration of Second Notice Period: 6/7/95

Radiation Safety Requirements for Industrial Radiographic Operations (32 Ill Adm Code 350)  
-First Notice Published: 18 Ill Reg 14535 - 9/30/94  
-Expiration of Second Notice Period: 6/7/95

Use of X-Rays in the Healing Arts Including Medical, Dental, Podiatry, and Veterinary Medicine (32 Ill Adm Code 360)  
-First Notice Published: 19 Ill Reg 163 - 1/13/95  
-Expiration of Second Notice Period: 6/7/95

Professional Regulation

Dietetic and Nutrition Services Practice Act (68 Ill Adm Code 1245)  
-First Notice Published: 18 Ill Reg 17408 - 12/9/94  
-Expiration of Second Notice Period: 6/18/95

Interior Design Profession Title Act (68 Ill Adm Code 1255)  
-First Notice Published: 19 Ill Reg 2646 - 3/10/95  
-Expiration of Second Notice Period: 6/8/95

Public Aid

Aid to Families with Dependent Children (89 Ill Adm Code 112)  
-First Notice Published: 19 Ill Reg 804 - 1/27/95  
-Expiration of Second Notice Period: 5/24/95

Crisis Assistance (89 Ill Adm Code 116)  
-First Notice Published: 19 Ill Reg 824 - 1/27/95  
-Expiration of Second Notice Period: 5/26/95

Special Eligibility Groups (89 Ill Adm Code 118)  
-First Notice Published: 19 Ill Reg 829 - 1/27/95  
-Expiration of Second Notice Period: 6/15/95

## JOINT COMMITTEE ON ADMINISTRATIVE RULES

## AGENDA

- Medical Payment (89 Ill Adm Code 140)  
 -First Notice Published: 19 Ill Reg 165 - 1/13/95  
 -Expiration of Second Notice Period: 6/17/95
- Medical Payment (89 Ill Adm Code 140)  
 -First Notice Published: 19 Ill Reg 1200 - 2/10/95  
 -Expiration of Second Notice Period: 6/2/95
- Developmental Disabilities Services (89 Ill Adm Code 144)  
 -First Notice Published: 19 Ill Reg 1717 - 2/17/95  
 -Expiration of Second Notice Period: 6/7/95
- Reimbursement for Nursing Costs for Geriatric Facilities (89 Ill Adm Code 147)  
 -First Notice Published: 19 Ill Reg 1730 - 2/17/95  
 -Expiration of Second Notice Period: 6/7/95
- Child Support Enforcement (89 Ill Adm Code 160)  
 -First Notice Published: 18 Ill Reg 14296 - 9/23/94  
 -Expiration of Second Notice Period: 5/23/95
- Demonstration Programs (89 Ill Adm Code 170)  
 -First Notice Published: 19 Ill Reg 530 - 1/20/95  
 -Expiration of Second Notice Period: 5/27/95
- Public Health/Health Facilities Planning Board  
 Narrative and Planning Policies (77 Ill Adm Code 1100)  
 -First Notice Published: 19 Ill Reg 1799 - 2/17/95  
 -Expiration of Second Notice Period: 6/15/95
- Rehabilitation Services  
 Services (89 Ill Adm Code 590)  
 -First Notice Published: 18 Ill Reg 14627 - 9/30/94  
 -Expiration of Second Notice Period: 5/31/95
- Services (89 Ill Adm Code 590)  
 -First Notice Published: 19 Ill Reg 28 - 1/6/95  
 -Expiration of Second Notice Period: 5/31/95
- Application (89 Ill Adm Code 557)  
 -First Notice Published: 19 Ill Reg 839 - 1/27/95  
 -Expiration of Second Notice Period: 5/31/95
- Assessment for Determining Eligibility and Rehabilitation Needs (89 Ill Adm Code 553)  
 -First Notice Published: 19 Ill Reg 842 - 1/27/95

## JOINT COMMITTEE ON ADMINISTRATIVE RULES

## AGENDA

- Expiration of Second Notice Period: 5/31/95
- Client Financial Participation (89 Ill Adm Code 562)  
 -First Notice Published: 19 Ill Reg 846 - 1/27/95  
 -Expiration of Second Notice Period: 5/31/95
- State Police Merit Board  
 Procedures of the Department of State Police Merit Board (80 Ill Adm Code 150)  
 -First Notice Published: 19 Ill Reg 1270 - 2/10/95  
 -Expiration of Second Notice Period: 5/24/95
- Student Assistance Commission  
 General Provisions (23 Ill Adm Code 2700)  
 -First Notice Published: 19 Ill Reg 883 - 1/27/95  
 -Expiration of Second Notice Period: 6/7/95
- Federal Family Education Loan Program (FFELP) (89 Ill Adm Code 2720)  
 -First Notice Published: 19 Ill Reg 861 - 1/27/95  
 -Expiration of Second Notice Period: 6/7/95
- Monetary Award Program (MAP) (23 Ill Adm Code 2735)  
 -First Notice Published: 19 Ill Reg 903 - 1/27/95  
 -Expiration of Second Notice Period: 6/7/95
- Robert C. Byrd Honors Scholarship Program (23 Ill Adm Code 2755)  
 -First Notice Published: 19 Ill Reg 1288 - 2/10/95  
 -Expiration of Second Notice Period: 6/7/95
- State Scholar Program (23 Ill Adm Code 2760)  
 -First Notice Published: 19 Ill Reg 920 - 1/27/95  
 -Expiration of Second Notice Period: 6/7/95
- Paul Douglas Teacher Scholarship Program (23 Ill Adm Code 2762)  
 -First Notice Published: 19 Ill Reg 912 - 1/27/95  
 -Expiration of Second Notice Period: 6/7/95
- Minority Teachers of Illinois (MTI) Scholarship Program (23 Ill Adm Code 2763)  
 -First Notice Published: 19 Ill Reg 894 - 1/27/95  
 -Expiration of Second Notice Period: 6/7/95
- Illinois Special Education Teacher Tuition Waiver Program (23 Ill Adm Code 2765)  
 -First Notice Published: 19 Ill Reg 1281 - 2/10/95  
 -Expiration of Second Notice Period: 6/7/95

## JOINT COMMITTEE ON ADMINISTRATIVE RULES

## AGENDA

Christa McAuliffe Fellowship Program (23 Ill Adm Code 2766)

- First Notice Published: 19 Ill Reg 1275 - 2/10/95
- Expiration of Second Notice Period: 6/7/95

College Savings Bond Bonus Incentive Grant (BIG) Program (89 Ill Adm Code 2771)

- First Notice Published: 19 Ill Reg 852 - 1/27/95
- Expiration of Second Notice Period: 6/7/95

Veterans' AffairsKorean War Memorial Construction Fund (95 Ill Adm Code 122)

- First Notice Published: 19 Ill Reg 2757 - 3/10/95
- Expiration of Second Notice Period: 6/16/95

**EMERGENCY AND PEREMPTORY RULEMAKINGS**Central Management ServicesPay Plan (80 Ill Adm Code 310) (Peremptory)

- Notice Published: 19 Ill Reg 6688 - 5/12/95

Nuclear SafetyFees for By-Product Material Licenses (32 Ill Adm Code 334) (Emergency)

- Notice Published: 19 Ill Reg 6014 - 4/21/95

Public AidHospital Reimbursement Changes (89 Ill Adm Code 152) (Emergency)

- Notice Published: 19 Ill Reg 6706 - 5/12/95

Hospital Services (89 Ill Adm Code 148) (Emergency)

- Notice Published: 19 Ill Reg 6709 - 5/12/95

Public HealthAllied Health Care Professional Assistance Law (77 Ill Adm Code 598) (Emergency)

- Notice Published: 19 Ill Reg 6020 - 4/21/95

**AGENCY RESPONSES**Children and Family ServicesBackground Check of Foster Family Home Applicants (89 Ill Adm Code 380)

## JOINT COMMITTEE ON ADMINISTRATIVE RULES

## AGENDA

- First Published: 3/24/95
- Objection: 4/18/95
- Response: Modification

Illinois Commerce CommissionFees and Taxes (92 Ill Adm Code 1205)

- First Published: 11/4/94
- Objection: 12/13/94
- Response: No Response

Public AidDemonstration Programs (89 Ill Adm Code 170)

- First Published: 1/20/95
- Objection: 2/7/95
- Response: No Modification - Statutory Changes



JOINT COMMITTEE ON ADMINISTRATIVE RULES  
ILLINOIS GENERAL ASSEMBLY

## SECOND NOTICES RECEIVED

The following second notices were received by the Joint Committee on Administrative Rules during the period of May 2, 1995 through May 8, 1995, and have been scheduled for review by the Committee at its May 23, 1995 meeting. Other items not contained in this published list may also be considered. Members of the public wishing to express their views with respect to a rule should submit written comments to the Committee at the following address: Joint Committee on Administrative Rules, 700 Stratton Bldg., Springfield, IL 62706.

Second Notice Expires	Agency and Rule	Start of First Notice	JCAR Meeting
6/15/95	Department of Public Health/Health Facilities Planning Board, Narrative and Planning Policies (77 Ill Adm Code 1100)	2/17/95 19 Ill Reg 1799	5/23/95
6/15/95	Department of Public Aid, Special Eligibility Groups (89 Ill Adm Code 118)	1/27/95 19 Ill Reg 829	5/23/95
6/16/95	Department of Central Management Services, The Travel Regulation Council (80 Ill Adm Code 3000)	2/24/95 19 Ill Reg 2093	5/23/95
6/16/95	Department of Central Management Services, Travel (80 Ill Adm Code 2800)	2/24/95 19 Ill Reg 2098	5/23/95
6/16/95	Department of Veterans' Affairs, Korean War Memorial Construction Fund (95 Ill Adm Code 122)	3/10/95 19 Ill Reg 2757	5/23/95
6/17/95	Department of Central Management Services, Pay Plan (80 Ill Adm Code 310)	3/17/95 19 Ill Reg 3122	5/23/95
6/17/95	Department of Public Aid, Medical Payment (89 Ill Adm Code 140)	1/13/95 19 Ill Reg 165	5/23/95
6/18/95	Department of Conservation, Consignment of Licenses and Stamps (17 Ill Adm Code 2520)	3/17/95 19 Ill Reg 3131	5/23/95

JOINT COMMITTEE ON ADMINISTRATIVE RULES  
ILLINOIS GENERAL ASSEMBLY

## SECOND NOTICES RECEIVED

6/18/95	Department of Professional Regulation, Dietetic and Nutrition Services Practice Act (68 Ill Adm Code 1245)	12/9/94 18 Ill Reg 17408	5/23/95
6/18/95	Department of Central Management Services, Merit and Fitness (80 Ill Adm Code 302)	3/10/95 19 Ill Reg 2539	5/23/95
6/18/95	Department of Central Management Services, Conditions of Employment (80 Ill Adm Code 303)	3/10/95 19 Ill Reg 2524	5/23/95

## PROCLAMATIONS

95-238

## CORRECT POSTURE MONTH

Whereas, correct posture is a key element which enables physical and mental accomplishments; and

Whereas, posture not only affects the appearance of an individual, but also affects comfort, productivity, and emotional outlook on life; and

Whereas, good posture is essential to proper growth; and

Whereas, the youth of America should be fit to do, to learn, to understand, to grow in grace and stature, and to fully live; and

Whereas, regular spinal examinations, with close attention to posture, can reveal body defects or distortions; and

Whereas, increased awareness of the need for correct posture is clearly established; and

Whereas, the attention of every individual must be brought to the benefits of good posture, and the need for periodic spinal examinations; and

Whereas, the science of chiropractic and the doctors who practice it have contributed greatly to better health of our citizenry by providing health care and consultation with emphasis on spinal integrity;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 1995 ask CORRECT POSTURE MONTH in Illinois and urge that this period be dedicated to informing the citizens of Illinois of their responsibility, both individually and as a family, to maintain correct posture.

Issued by the Governor April 24, 1995.

Filed by the Secretary of State May 4, 1995.

95-239

## ALL-AMERICAN COUNCIL OF THE ORTHODOX CHURCH WEEK

Whereas, the Holy Orthodox Faith was planted in North America in 1794 by missionaries coming from Russia to Alaska and, in 1994, the Orthodox Church in America celebrated 200 years of Orthodox Christianity on this continent; and

Whereas, on April 10, 1970, the Holy Synod of the Russian Orthodox Church proclaimed the Orthodox Church of America to be the 15th autocephalous church in the Orthodox family of self-governing churches; and

Whereas, at the 14th Council of the American Metropolia, held at St. Tikhon's Monastery on October 20-22, 1970, the new status of the church was accepted and affirmed by the members of the council, thus marking the occasion as the first All-American Council of the self-governing Orthodox Church in America;

Whereas, Orthodox clergy and faithful will again "Gather in Community" to focus on their lives together in Christ's Church at the 11th All-American Council of the Orthodox Church in America, to be held in Chicago, July 18-21, 1995;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim July 17-21, 1995, as ALL-AMERICAN COUNCIL OF THE ORTHODOX CHURCH WEEK in Illinois.

Issued by the Governor April 26, 1995.

Filed by the Secretary of State May 4, 1995.

95-240

## AMERICAN GI FORUM DAYS

Whereas, thousands of Latino Americans served our country in World War II, returning home only to face denial of their rights as veterans and the basic American freedoms for which they had fought so hard; and

Whereas, the American GI Forum is the nation's largest Hispanic veterans organization, serving both veterans and their communities for more than 40 years; and

Whereas, the American GI Forum is devoted to furthering the interests of Americans of Mexican descent and has participated in projects and programs in Mexican-American communities throughout Illinois; and

Whereas, the activities of the American GI Forum are a source of pride to all citizens of Mexican-American descent as the organization works to enhance the quality of life and create new opportunities for growth and development; and

Whereas, the American GI Forum is celebrating its 40th Annual State Convention on June 16-17;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim June 16-17, 1995, as AMERICAN GI FORUM DAYS in Illinois and urge all our citizens to recognize the valuable contributions of our Latino veterans.

Issued by the Governor April 26, 1995.

Filed by the Secretary of State May 4, 1995.

95-241

## DAY OF PRAYER

Whereas, in 1952, the United States Congress unanimously passed a joint resolution establishing the annual National Day of Prayer; and

Whereas, May 4, 1995, marks the 44th annual National Day of Prayer; and

Whereas, all people are free to profess their religious beliefs without governmental interference or prohibition, whether in their capacities as government officials, teachers, neighbors, or parents; and

Whereas, the National Day of Prayer celebrates our country's rich heritage of prayer; and

Whereas, on this special day we reflect a particular aspect of our history and common culture; and

Whereas, this event encourages all American citizens to see beyond themselves, without coercion or specific ideology; and

Whereas, today affords us the opportunity for all Americans to join in united prayer and give thanks, to request healing for wounds endured, and to ask for divine guidance for our leaders;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 4, 1995, as a DAY OF PRAYER in Illinois.

Issued by the Governor April 26, 1995.

Filed by the Secretary of State May 4, 1995.

95-242

## FAMILY READING WEEK

Whereas, reading is the basis for all other learning; and

Whereas, reading should be encouraged at school and at home so that children develop the necessary skills to enter the workforce; and

Whereas, the involvement of families, teachers, and corporate America is critical to preparing today's youth for tomorrow's future; and

Whereas, the American Federation of Teachers (AFT), the Association for Supervision and Curriculum Development (ASCD), the Chrysler Corporation, and Scholastic, Inc. have partnered together to encourage the home-school reading connection; and

Whereas, this reading partnership has provided Family Reading Guides to every kindergarten through 3rd grade student in the country three times during the school year (more than 55 million guides in total) providing tips on how to effectively read together; and

Whereas, families and schools across Illinois will be participating in reading celebrations during National Family Reading Week;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May

1-5, 1995, as FAMILY READING WEEK in Illinois.

Issued by the Governor April 26, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-243

##### CYTOTECHNOLOGY DAY

Whereas, cytotechnologists are specialists in the field of medical technology whose primary responsibility is to examine cells to detect a variety of diseases including cancer and pre-cancerous changes; and

Whereas, these skilled professionals are called upon daily to examine various medical specimens and advise physicians, who in turn use this vital information to chart the course of treatment for their patients; and

Whereas, through the diagnostic skill of cytotechnologists, it is possible to detect cancer in the early stages of development; greatly contributing to the chances of survival, eliminating uterine cancer as the number one cause of death in women; and

Whereas, there are a few hundred cytotechnologists in the State of Illinois and only about 9,000 nationwide; and

Whereas, the Illinois Society of Cytology will join the American Society of Cytotechnology in observing National Cytotechnology Day on May 13, 1995;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 13, 1995, as CYTOTECHNOLOGY DAY in Illinois in honor of the valuable contributions cytotechnologists make to the health and well-being of our citizens.

Issued by the Governor April 27, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-244

##### LIONESS CAMEL DAY

Whereas, the Lioness Clubs of Illinois tirelessly donate their time to ongoing efforts to help the blind, visually impaired, deaf, and hearing impaired; and

Whereas, the Lioness Clubs of Illinois are sponsoring Lioness Camel Day for Sight and Sound throughout our state on May 5, 1995; and

Whereas, Camel Day is being held under the auspices of the Lions of Illinois Foundation, a nonprofit organization; and

Whereas, Illinois residents will benefit greatly from funds raised on

##### Caramel Day;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 5, 1995, as LIONESS CAMEL DAY in Illinois and urge citizens to support this worthwhile endeavor.

Issued by the Governor April 27, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-245

##### LIONS CANDY DAY

Whereas, Lions of Illinois have spearheaded efforts to protect our citizens against the ravages of blindness and deafness for many years; and

Whereas, presently, 28,000 Illinois citizens are blind and 106,000 Illinois residents are deaf or hearing-impaired; and

Whereas, Lions have expended millions of dollars in recent years for an eye donor registry, low vision clinics and hearing screenings, camping programs, hearing aid and eyeglass collections, and hundreds of other local programs; and

Whereas, on Friday, October 13, 1995, Lions are observing Candy Day, their primary fund-raising event of the year;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim October 13, 1995, as LIONS CANDY DAY in Illinois in recognition and support of the organization's many worthwhile endeavors.

Issued by the Governor April 27, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-246

##### NATIONAL FEDERATION OF CROATIAN AMERICANS DAY

Whereas, the National Federation of Croatian Americans will hold its annual meeting at the Ramada O'Hare Hotel in Chicago on May 6-7, 1995; and

Whereas, the National Federation of Croatian Americans is the Croatian American umbrella organization representing some 2.5 million Americans of Croatian descent; and

Whereas, more than 70 delegates from approximately 30 Croatian American organizations, including the oldest and largest ones -- the Croatian Fraternal Union and Croatian Catholic Union -- will participate in this annual meeting; and

Whereas, the National Federation of Croatian Americans is dedicated to promoting an independent, democratic, and free-market Croatia and Bosnia-Herzegovina; and

Whereas, the National Federation of Croatian Americans has established itself as an organization that speaks for Croatian American interests and educates the American public about Croats, Croatia, and Croatian Americans;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 6, 1995, as THE NATIONAL FEDERATION OF CROATIAN AMERICANS DAY in Illinois.

Issued by the Governor April 27, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-247

##### NORWEGIAN CONSTITUTION DAY



Whereas, May 17, 1995, will be the 181st Anniversary Celebration of the signing of the Norwegian Constitution or "Syttende Mai"; and  
 Whereas, it has been an accomplishment to have defended and maintained democracy over this long period and is the longest standing democratic constitution in Europe; and

Whereas, May 21, 1995, will be the annual Norwegian Parade in Park Ridge, which will carry the theme FENorwegian WomenFES ContributionsFE; and

Whereas, many Norwegian organizations will march in the parade, including Sons of NorwayFES Lodges, MenFES and WomenFES Choruses, a Norwegian nursing home, and the Norwegian Elkhounds; and

Whereas, the Norwegian Parade was founded in 1899 by the Norwegian National League of Chicagoland and will be co-chaired this year by Barbara Kronberg-Mogil and Chris Dietz; and

Whereas, Karen Gagen, an appointee to the GovernorFES Council on Health and Fitness, will preside over the 1995 Norwegian Parade as Grand Marshal and will be honored for her many years of dedication and service to the Norwegian-American community; and

Whereas, Claudia Nygaard, the Country, Western, and Gospel singer and composer, will serve as honorary Grand Marshal; and

Whereas, Dr. Ralph Haug, President of the Norwegian National League of Chicagoland, announced that May 20, 1995, will be the annual banquet, to be held at the Scandinavian Club in Arlington Heights, with Jorunn Fleck presiding as Mistress of Ceremonies; and

Whereas, today Illinois boasts a large population of Norwegians who have contributed in all areas including business, law, medicine, science, fine arts, and education;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 17, 1995, as NORWEGIAN CONSTITUTION DAY in Illinois.

Issued by the Governor April 27, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-248

#### ODYSSEY CRUISES 5TH ANNIVERSARY DAY

Whereas, this spring marks the 5th anniversary of Odyssey Cruises in Illinois; and

Whereas, Odyssey has brought luxury cruising to a new level of excellence while providing jobs for more than 250 residents of this great state; and

Whereas, Odyssey, through its relentless pursuit of excellence in the luxury cruising industry, has added greatly to the stateFES role as a prominent destination for tourists throughout the world;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 3, 1995, as ODYSSEY CRUISES 5TH ANNIVERSARY DAY in Illinois.

Issued by the Governor April 27, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-249

#### ILLINOIS JEWELERS ASSOCIATION DAY

Whereas, the Illinois Jewelers Association has been representing independent, family-owned retail jewelry stores throughout the State of Illinois for 50 years; and

Whereas, the members it represents employ more than 1,500 trained sales people, bench jewelers, goldsmiths, and certified gemologists; and

Whereas, the membership of the Illinois Jewelers Association contribute an annual retail sales volume of more than \$65 million in Illinois; and

Whereas, the Illinois Jewelers Association has been a leader in consumer education with its FEFruth In PricingFE campaign and its introduction and assistance in passage of the consumer protection legislation on FEWholesale to the Public;FE

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim June 4, 1995, as ILLINOIS JEWELERS ASSOCIATION DAY in Illinois in commemoration of this associationFES 50th anniversary.

Issued by the Governor April 28, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-250

#### NURSES WEEK

Whereas, the largest group of health care providers in this state are IllinoisFE 129,000 Registered Nurses; and

Whereas, nurses care for Americans every day by providing high quality care in hospitals, clinics, offices, homes, schools, long-term facilities, mental health facilities, workplaces, correctional facilities, and numerous other settings; and

Whereas, nurses serve as the patientFES health care advocate and are dedicated to improving accessible, quality health care for all people; and

Whereas, despite a changing health care environment that is creating even greater demands on them, nurses continue to advocate for quality, cost effective care that emphasizes primary and preventive health care; and

Whereas, the Illinois Nurses Association, along with the American Nurses Association has declared the week of May 6-12 as National Nurses Week 1995 with the theme of FENurses -- the Heart of Health Care,FE in celebration of the ways in which nurses strive to provide high quality patient care and improve our health care system;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 6-12, 1995, as NURSES WEEK in Illinois and ask that all residents of this state join me in honoring the nurses who care for us all.

Issued by the Governor April 28, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-251

#### POLICE MEMORIAL DAY

Whereas, police officers are guardians of life, property, and dual liberties and are also known as peace officers; and

Whereas, law enforcement officers are given the duty to protect and serve the citizens of the United States of America; and

Whereas, each year there are police officers and law enforcement officials who pay the ultimate price for our safety and are killed in the line of duty; and

Whereas, it is both important and appropriate that we demonstrate our appreciation of their valor, service, and dedication; and

Whereas, this year we recognize the death of Morgan County Sheriff's

Department Deputy Sheriff, Craig Dorwart; and

Whereas, he is one of the many law enforcement officers who left behind a loving family, including his wife, Carrie, and son, Keith; and

Whereas, many police officers serve dual roles as other public servants in their community, as Deputy Dorwart did by serving as a member of Waverly Fire and Rescue Squad in Waverly, Illinois; and

Whereas, Deputy Dorwart was awarded the Illinois M.E.G. Directors and Task Force Commanders Association Narcotics and Dangerous Drugs Enforcement Citation for Outstanding Efforts and a two-time recipient of the Dedication to Narcotic Law Enforcement in the State of Illinois Award; and

Whereas, a special ceremony will be held May 4, 1995, to commemorate the 10th anniversary of the annual Police Officers Memorial Day and to honor police officers like Deputy Sheriff Dorwart who lost their lives in the process of protecting our safety;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 4, 1995, as POLICE MEMORIAL DAY in Illinois in special honor of Craig Dorwart.

Issued by the Governor April 28, 1995.

Filed by the Secretary of State May 4, 1995.

95-252

#### SCRAPBOOK DAY

Whereas, the first annual National Scrapbook Day will be held on May 6, 1995, in locations throughout the United States and Canada; and

Whereas, National Scrapbook Day encourages the safe preservation of photographs and family stories through hands-on education, instruction, and motivation; and

Whereas, National Scrapbook Day is an event which enlightens people to the benefits of organizing and displaying their photographs and stories in a safe, meaningful, and creative way; and

Whereas, National Scrapbook Day offers people the opportunity to preserve their past, enrich their present, and inspire hope for the future;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 7, 1995, as SCRAPBOOK DAY in Illinois.

Issued by the Governor April 28, 1995.

Filed by the Secretary of State May 4, 1995.

95-253

#### LINCOLN PILGRIMAGE DAY

Whereas, over the past 50 years, the Abraham Lincoln Council of the Boy Scouts of America has commemorated the legacy of President Abraham Lincoln by hosting the Lincoln Pilgrimage; and

Whereas, during the 50-year history of the Lincoln Pilgrimage, thousands of Boy Scouts and Girl Scouts from throughout the Midwest have participated in the weekend festivities to commemorate both President Lincoln and the principles of scouting; and

Whereas, during the history of the Lincoln Pilgrimage, respected governmental leaders and accomplished individuals with scouting backgrounds have delivered the tribute to President Lincoln and provided an inspirational message to scouts and scouters; and

Whereas, more than 14,000 scouts are gathered today to commemorate

President Lincoln and participate in the 50th Annual Lincoln Pilgrimage; and

Whereas, we are honored to have Yolanda King, daughter of civil rights leader Dr. Martin Luther King, Jr., to deliver an inspirational message; and

Whereas, it is even more notable that today's parade will proceed to the Illinois State Capitol where the 50th Annual Lincoln Pilgrimage will culminate between the statues of President Lincoln and Dr. Martin Luther King, Jr.;

Therefore, I, Jim Edgar, Governor of the State of Illinois and Honorary Chairman of the 50th Annual Lincoln Pilgrimage, congratulate the Abraham Lincoln Council on its 50th Anniversary of the Lincoln Pilgrimage and proclaim April 30, 1995, as LINCOLN PILGRIMAGE DAY in Illinois.

Issued by the Governor April 28, 1995.

Filed by the Secretary of State May 4, 1995.

95-254

#### CORRECTIONAL OFFICER WEEK

Whereas, through their professional supervision of convicted felons, correctional officers of the Illinois Department of Corrections enhance the safety and welfare of our citizens; and

Whereas, the men and women serving our state as correctional officers must maintain constant vigilance, providing safe, humane, constitutional, and secure incarceration of inmates; and

Whereas, throughout their careers, these public servants must face potentially dangerous situations with swift and appropriate action; and

Whereas, correctional officers are expected to work as a team and maintain their focus while handling the innate tensions associated with their jobs; and

Whereas, these highly trained employees strive to be fair, firm, and consistent with their charges while enforcing the rules and regulations of their institutions; and

Whereas, through their tireless and often heroic actions, our correctional officers have made the Illinois Department of Corrections one of the finest prison systems in the nation;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 7-13, 1995, as CORRECTIONAL OFFICER WEEK in Illinois in honor of the outstanding services these men and women provide.

Issued by the Governor May 1, 1995.

Filed by the Secretary of State May 4, 1995.

95-255

#### GFWC ILLINOIS FEDERATION OF WOMEN'S CLUBS WEEK

Whereas, the GFWC Illinois Federation of Women's Clubs is a member of the General Federation of Women's Clubs, the world's largest organization of volunteer women; and

Whereas, the GFWC Illinois Federation of Women's Clubs is a volunteer service organization which has been serving this state for 100 years; and

Whereas, the GFWC Illinois Federation of Women's Clubs, which is comprised of 515 clubs statewide, promotes community service; and

Whereas, the object of the GFWC Illinois Federation of Women's Clubs is to train women to be leaders and to encourage a sense of service in women, as



well as mutual counsel and sympathy, unity of action in case of need, and the promotion of higher social and moral conditions; and

Whereas, the GFWC Illinois Federation of WomenFes Clubs Organization has developed many leaders and volunteers in our communities throughout the State of Illinois; and

Whereas, the 100th Annual Convention of the GFWC Illinois Federation of WomenFes Clubs Organization will be called to order in Peoria, Illinois, on May 9, 1995; and

Whereas, the GFWC Illinois Federation of WomenFes Clubs has decreed the observance of a FEGFWC Illinois Federation of WomenFes Clubs Week, FE May 7-13, 1995, to call attention to the accomplishments of the Federation of WomenFes Clubs throughout the State of Illinois;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 7-13, 1995, as GFWC ILLINOIS FEDERATION OF WOMENFES CLUBS WEEK in Illinois and recognize the contributions to our communities statewide for the past 100 years by the volunteer members of the GFWC Illinois Federation of WomenFes Clubs.

Issued by the Governor May 1, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-256

#### HOME EDUCATION WEEK

Whereas, the State of Illinois is committed to excellence in education; and

Whereas, the State of Illinois recognizes the importance of family support in educational programs; and

Whereas, home education has proven successful in the lives of George Washington, Thomas Edison, Helen Keller, Agatha Christie, Franklin Roosevelt, and others and may be administered in Illinois under statutory requirements of the school code;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 3, 1995, as HOME EDUCATION WEEK in Illinois.

Issued by the Governor May 1, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-257

#### PEACE IN THE STREETS WEEK

Whereas, Communities Dare to Care is an Illinois organization with goals to raise the consciousness of every citizen across this nation and to educate them about the problems of gangs, drugs, and violence in cities and states nationwide; and

Whereas, I, Jim Edgar, am honored to serve as honorary chair of Peace in the Streets Week; and

Whereas, Peace in the Streets Week will include seminars, presentations, and workshops on the dangers of the power of gangs, drugs, and violence for parents and community residents, and will encourage the cooperation of social service organizations, government agencies, and other groups; and

Whereas, Communities Dare to Care is currently focusing on three projects, an anti-violence rally, Save Our Children...The Endangered Species Conference, and Peace in the Streets Memorial Service; and

Whereas, the anti-violence rally will bring together schools, parents,

community residents, churches, organizations, and businesses of metropolitan Chicago to focus on heightening the awareness of the dangers of gangs, drugs, and violence; and

Whereas, Save Our Children...The Endangered Species Conference is presented by Communities Dare to Care and sponsored by Linden Oaks Hospital to bring together parents, community residents, churches, organizations, and businesses of the metropolitan Chicago area to focus on our youth and their future, and to begin a new movement to save our children; and

Whereas, Project Peace in the Streets Memorial Service, chaired by Reverend Willie Cusic of Second Mount Vernon Baptist Church and co-chaired by parents and children who have lost loved ones due to street violence, will be the culminating event of Peace in the Streets Week; and

Whereas, Communities Dare to Care wants to emphasize to parents, schools, churches, businesses, organizations, and community residents the importance of their involvement in regaining the leadership and control of their streets, their communities, and their children;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 1-7, 1995, as PEACE IN THE STREETS WEEK in Illinois.

Issued by the Governor May 1, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-258

#### NAVY SEABEE DAY

Whereas, the Navy Seabee Veterans were chartered in Chicago in May 1948; and

Whereas, the Navy Seabee Veterans of America, Inc. are celebrating the 47th annual convention and reunion May 5-7, 1995, in Palatine; and

Whereas, the Department of Illinois Navy Seabee Veterans is the oldest department in the National Seabee Veteran Organization; and

Whereas, the organization's membership is made up of U.S. Navy Seabee's and Civil Engineer Corporation Officers with a membership of 5,000; and

Whereas, Navy Seabee's are continually active in veteran's affairs and maintain an interest in patriotic, historical, and educational interests;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 6, 1995, as NAVY SEABEE DAY in Illinois.

Issued by the Governor May 2, 1995.

Filed by the Secretary of State May 4, 1995.

#### 95-259

#### NOTRE DAME VOLUNTEER APPRECIATION DAY

Whereas, Notre Dame High School is a Catholic secondary school in the Archdiocese of Chicago and, as such, depends on the voluntary services of the community in carrying out the mission of the school; and

Whereas, the Notre Dame volunteers have stepped forward and given endless hours of service and dedication to the school during the 1994-95 school year; and

Whereas, the Notre Dame volunteers, through the generous gift of their time and talents, have made a significant contribution in helping the school carry out its mission to promote the spiritual, moral, and temporal welfare of its students and families;



Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 7, 1995, as NOTRE DAME VOLUNTEER APPRECIATION DAY in Illinois.

Issued by the Governor May 2, 1995.

Filed by the Secretary of State May 4, 1995.

## 95-260

## REACT MONTH

WHEREAS, through REACT, Radio Emergency Associated Communications Teams, more than 7,000 people participate as volunteers to provide highway safety and emergency communications using their own two-way radios in their communities; and

Whereas, the Highland Park, Illinois, area is fortunate to have a local unit known as Apollo VII REACT, INC. Team 4534; and

Whereas, this group has served well in many civic endeavors, such as MS Bike'N Hike, Lake County Marathon, and Special Olympics; and

Whereas, REACT's cumulative efforts result in the saving of many lives annually through the greater speed with which medical aid reaches an accident scene and better communications provided in time of natural disasters; and

Whereas, Illinois communities should honor and recognize local REACT groups for their significant contributions;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 1995 as REACT MONTH in Illinois.

Issued by the Governor May 3, 1995.

Filed by the Secretary of State May 4, 1995.

## 95-261

## RIGHTS OF THE CHILD DAY

Whereas, 35,000 children under the age of 5 die each day around the world; and

Whereas, 13 million children in the United States live in poverty and the number of homeless children continues to grow; and

Whereas, in 1989, the United Nations adopted an international treaty for the protection of children; and

Whereas, the U.N. Convention on the Rights of the Child addressed issues of survival, proper development, and protection from abuse and exploitation; and

Whereas, an international treaty to protect children has been ratified and endorsed by 80 percent of the world's nations; and

Whereas, youth in Illinois are joining youth all over the United States in this effort;

Therefore, I, Jim Edgar, Governor of the State of Illinois, proclaim May 4, 1995, as RIGHTS OF THE CHILD DAY in Illinois.

Issued by the Governor May 3, 1995.

Filed by the Secretary of State May 4, 1995.

**PLEASE USE THIS FORM FOR ALL ORDERS OR TO NOTIFY US OF CHANGE OF ADDRESS**  
**ALL ORDERS ARE PAYABLE IN ADVANCE OR BY VISA OR MASTER CHARGE**  
**CHECKS AND/OR MONEY ORDERS ARE PAYABLE TO SECRETARY OF STATE**

1977-1978	1979	1980	1981	1982	1983	1984	1985	1986
1987	1988	1989	1990	1991	1992	1993		

1981 1982 1983 1984 1985 1986 1987 1988 1989

	1984	1985	1986	1987	1988	1989
1. <i>Chrysomelidae</i>	1	1	1	1	1	1
2. <i>Curculionidae</i>	1	1	1	1	1	1
3. <i>Chrysomelidae</i>	1	1	1	1	1	1
4. <i>Chrysomelidae</i>	1	1	1	1	1	1
5. <i>Chrysomelidae</i>	1	1	1	1	1	1
6. <i>Chrysomelidae</i>	1	1	1	1	1	1
7. <i>Chrysomelidae</i>	1	1	1	1	1	1
8. <i>Chrysomelidae</i>	1	1	1	1	1	1
9. <i>Chrysomelidae</i>	1	1	1	1	1	1
10. <i>Chrysomelidae</i>	1	1	1	1	1	1
11. <i>Chrysomelidae</i>	1	1	1	1	1	1
12. <i>Chrysomelidae</i>	1	1	1	1	1	1
13. <i>Chrysomelidae</i>	1	1	1	1	1	1
14. <i>Chrysomelidae</i>	1	1	1	1	1	1
15. <i>Chrysomelidae</i>	1	1	1	1	1	1
16. <i>Chrysomelidae</i>	1	1	1	1	1	1
17. <i>Chrysomelidae</i>	1	1	1	1	1	1
18. <i>Chrysomelidae</i>	1	1	1	1	1	1
19. <i>Chrysomelidae</i>	1	1	1	1	1	1
20. <i>Chrysomelidae</i>	1	1	1	1	1	1
21. <i>Chrysomelidae</i>	1	1	1	1	1	1
22. <i>Chrysomelidae</i>	1	1	1	1	1	1
23. <i>Chrysomelidae</i>	1	1	1	1	1	1
24. <i>Chrysomelidae</i>	1	1	1	1	1	1
25. <i>Chrysomelidae</i>	1	1	1	1	1	1
26. <i>Chrysomelidae</i>	1	1	1	1	1	1
27. <i>Chrysomelidae</i>	1	1	1	1	1	1
28. <i>Chrysomelidae</i>	1	1	1	1	1	1
29. <i>Chrysomelidae</i>	1	1	1	1	1	1
30. <i>Chrysomelidae</i>	1	1	1	1	1	1
31. <i>Chrysomelidae</i>	1	1	1	1	1	1
32. <i>Chrysomelidae</i>	1	1	1	1	1	1
33. <i>Chrysomelidae</i>	1	1	1	1	1	1
34. <i>Chrysomelidae</i>	1	1	1	1	1	1
35. <i>Chrysomelidae</i>	1	1	1	1	1	1
36. <i>Chrysomelidae</i>	1	1	1	1	1	1
37. <i>Chrysomelidae</i>	1	1	1	1	1	1
38. <i>Chrysomelidae</i>	1	1	1	1	1	1
39. <i>Chrysomelidae</i>	1	1	1	1	1	1
40. <i>Chrysomelidae</i>	1	1	1	1	1	1
41. <i>Chrysomelidae</i>	1	1	1	1	1	1
42. <i>Chrysomelidae</i>	1	1	1	1	1	1
43. <i>Chrysomelidae</i>	1	1	1	1	1	1
44. <i>Chrysomelidae</i>	1	1	1	1	1	1
45. <i>Chrysomelidae</i>	1	1	1	1	1	1
46. <i>Chrysomelidae</i>	1	1	1	1	1	1
47. <i>Chrysomelidae</i>	1	1	1	1	1	1
48. <i>Chrysomelidae</i>	1	1	1	1	1	1
49. <i>Chrysomelidae</i>	1	1	1	1	1	1
50. <i>Chrysomelidae</i>	1	1	1	1	1	1
51. <i>Chrysomelidae</i>	1	1	1	1	1	1
52. <i>Chrysomelidae</i>	1	1	1	1	1	1
53. <i>Chrysomelidae</i>	1	1	1	1	1	1
54. <i>Chrysomelidae</i>	1	1	1	1	1	1
55. <i>Chrysomelidae</i>	1	1	1	1	1	1
56. <i>Chrysomelidae</i>	1	1	1	1	1	1
57. <i>Chrysomelidae</i>	1	1	1	1	1	1
58. <i>Chrysomelidae</i>	1	1	1	1	1	1
59. <i>Chrysomelidae</i>	1	1	1	1	1	1
6						

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